

19980131.qrp v00_n987.qrs.980131

Date: Sat, 31 Jan 1998 19:03:24 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 987

QRP-L Digest 987

Topics covered in this issue include:

- 1) [2488] WTB: 10 turn counter
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
- 2) [2489] Fox log - 1/28 - Final
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 3) [2490] Re: WTB: 10 turn counter
by Paul Erickson <paul1@wizard.ucs.sfu.ca>
- 4) [2491] Re: batteries
by Norm Melick <henmel@postoffice.worldnet.att.net>
- 5) [2492] Novice Calls From the 60's
by Joseph Trombino jr <joebarb@wilmington.net>
- 6) [2493] HW9's Sold
by DaveLeDuc@aol.com
- 7) [2494] Eureka! My first pelt.
by Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
- 8) [2495] other batteries/source
by "J. Skalski" <jskalski@acsu.buffalo.edu>
- 9) [2496] Re: HCJB
by wa8rxi@juno.com (Richard C Arzadon)
- 10) [2497] Traffic net on 3686?
by PDouglas12@aol.com
- 11) [2498] Re: QRP in the 1950s
by w4bws@juno.com (Donald E Sanders)
- 12) [2499] BUILD this receiver...Part 3
by Glen Leinweber <leinwebe@mcmail.cis.mcmaster.ca>
- 13) [2500] re: Elmering Project
by Chuck and Michele Snyder <csnyder@nextdim.com>
- 14) [2501] Re: HW9's Sold
by Jim Lowman <jmlowman@ix.netcom.com>
- 15) [2502] Re: QRP in the 1950s
by K4AHK@ix.netcom.com
- 16) [2503] Any ts930 owners on the list?
by Paul Erickson <paul1@wizard.ucs.sfu.ca>
- 17) [2504] (Novice) calls from the past
by Robert Parks <rob3ert@vegas.infi.net>
- 18) [2505] Re: QRP in the 1950s
by "George Edwards" <gedwards@onramp.net>
- 19) [2506] Re: Dan's Small Parts

- by dave_epps@juno.com
- 20) [2507] Robert Parks <rob3ert@vegas.infi.net>: (Novice) calls from the past
by kh6b@juno.com (Dean W Manley)
- 21) [2508] RE: Novice Calls From the 60's
by Kevin Muenzler <wb5rue@stic.net>
- 22) [2509] Re: Novice calls from the 60's
by Bob Scott <w4fpj@doubled.com>
- 23) [2510] re UNK SIGNALS
by kc4mhm@juno.com
- 24) [2511] RE: Strange Signal
by Dan Dobson <ddobson@iei.net>
- 25) [2512] Re: Novice calls from the 60's
by Thom <thom@li.net>
- 26) [2513] RE: Centennial
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 27) [2514] ARCI QQ Bench P.S. Article
by Brian Kassel <bkassel@dancris.com>
- 28) [2515] re: power supply schematic...
by Conrad <radman@best.com>
- 29) [2516] RE: Novice Calls From the 60's
by "J. Skalski" <jskalski@acsu.buffalo.edu>
- 30) [2517] Re: Homodyne receiver (long)
by Sam <kc5tja@animeonline.ml.org>
- 31) [2518] February Meeting of the AUSTIN QRP Club
by Glen Reid <k5hgb@flash.net>
- 32) [2519] Re: Novice calls from the 60's
by "M. Monninger" <markem@primenet.com>
- 33) [2520] Re: Novice Calls in the 60's
by Joseph Everhart <n2cx@voicenet.com>
- 34) [2521] test new E-mail address
by k4wam@juno.com (Bill McKay)
- 35) [2522] Re: Novice calls from the 60's
by Sam <kc5tja@animeonline.ml.org>
- 36) [2523] Cores for R2 Receiver, any interest?
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 37) [2524] 1960s Novice Days
by WU0L@aol.com
- 38) [2525] Re: test new E-mail address
by Sam <kc5tja@animeonline.ml.org>
- 39) [2526] Manhattan
by joel malman <malman@world.std.com>
- 40) [2527] Patcomm PC-9000 Compact HF transceiver preliminary specs
by wa5whn@juno.com
- 41) [2528] Re: Robert Parks <rob3ert@vegas.infi.net>: (Novice) calls from
the past
by w4bws@juno.com (Donald E Sanders)
- 42) [2529] Re: Novice calls from the 60's
by w4bws@juno.com (Donald E Sanders)

- 43) [2530] Responses
by MSU1972@aol.com
- 44) [2531] Pixie II (or other xtal) frequency
by ka7you@juno.com
- 45) [2532] (Novice) Calls from the past
by Robert Parks <rob3ert@vegas.infi.net>
- 46) [2533] SGC-2020 Info
by Tim Ahrens <tahrens@inetport.com>
- 47) [2534] Mixer Findings
by Sam <kc5tja@animeonline.ml.org>
- 48) [2535] power supply
by "ALAN KAUL" <alan.kaul@worldnet.att.net>
- 49) [2536] Re: Manhattan
by Steven Weber <kd1jv@moose.ncia.net>
- 50) [2537] SGC-2020 Headphone Jack...
by Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
- 51) [2538] Chrome Base for Norcal Paddles
by "ALAN KAUL" <alan.kaul@worldnet.att.net>
- 52) [2539] (Novice) Calls from the past
by Tom Morgan <liveoak@sccoast.net>
- 53) [2540] Re: (Novice) Calls from the past
by John Sullivan <sullivjd@sound.net>
- 54) [2541] New E-mail address for N7MFB
by Bill Todd <bill@willapabay.org>
- 55) [2542] 14.318 Crystals
by Bill Vodall <wa7nwp@bigsky.com>
- 56) [2543] Novice Calls
by "Ron Polityka" <wb3aal@talon.net>
- 57) [2544] re: Elmer update
by Bensondj@aol.com
- 58) [2545] Re: 14.318 Crystals
by Michael Maiorana <mikemo@ibm.net>
- 59) [2546] Re: Traffic net on 3686?
by Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
- 60) [2547] FS MFJ 9020
by Michael Neverdosky <MichaelN@cycat.com>
- 61) [2548] Novice calls, the 60s & roolz & regs &c
by nilsbull@juno.com (Nils R Young)
- 62) [2549] SG-2020 receive current drain!
by AC6JA@aol.com
- 63) [2550] FS: Emtech 80
by ckrelic@usaor.net
- 64) [2551] SG-2020 receive current drain!
by Thomas J McCuen <TMcCuen@compuserve.com>
- 65) [2552] Re: QRP 15, or RadioKit Xcvr Help
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 66) [2553] Re: Novice calls from the 50's...oops, 60's
by Jack Parker <Pparker@greatbasin.net>

- 67) [2554] Sprat Index
by "KA5T Larry Wise" <lewise@inetport.com>
- 68) [2555] 40673 vs NE602 mixer data ??
by "KA5T Larry Wise" <lewise@inetport.com>
- 69) [2556] RE: Sell for QRP rig funds
by Chuck Carpenter <w5usj@webwide.net>
- 70) [2557] Re: 14.318 Crystals
by Bob Roach <KE4QOK@worldnet.att.net>
- 71) [2558] Re: (Novice) Calls from the past
by "John J. McDonough" <jjmcd@mdn.net>
- 72) [2559] Re: Manhattan
by "John J. McDonough" <jjmcd@mdn.net>
- 73) [2560] MFJ 90x0 rigs schematic diagram on net ?
by "KA5T Larry Wise" <lewise@inetport.com>
- 74) [2561] Re: Novice calls of the 50's
by Charles Kadesch <chas@digizen.net>
- 75) [2562] Re: Novice calls from the 60's
by "Bob Edwards, W4ED" <w4ed@flash.net>
- 76) [2563] Novice Round-Up?
by ke3fl@juno.com
- 77) [2564] WTB: Index QRP+ with Companion
by "Keith M. Hamilton" <khamilton@cisnet.com>
- 78) [2565] Re: Novice calls from the 60's
by Vic Rosenthal <rakefet@rakefet.com>
- 79) [2566] Re: Cores for R2 Receiver, any interest?
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 80) [2567] Power supplies and parts
by Richard Mulvey <mulveyr@frontiernet.net>
- 81) [2568] FOX: Results W2MBY Jan 31
by W2MY & W2MBY <n2mnn@spacegate.com>
- 82) [2569] Knightlites SMiTe arrive in MD!
by Chris Cartwright <ccart@dns.vidtel.com>
- 83) [2570] Re: Cores for R2 Receiver, any interest?
by John Seboldt <rohrwerk@pconline.com>
- 84) [2571] Re: Global Catholic Radio
by Leon Heller <leon@lfheller.demon.co.uk>
- 85) [2572] Re: Novice Round-Up?
by Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
- 86) [2573] RI DXpedition Heard?
by Joe Gervais <vole@primenet.com>
- 87) [2574] Re: WTB: Index QRP+ with Companion
by "Karl B. Staddon" <ve6kbs@agt.net>
- 88) [2575] Re: Cores for R2 Receiver, any interest?
by Leon Heller <leon@lfheller.demon.co.uk>
- 89) [2576] Re: Sprat Index
by "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>
- 90) [2577] Night fo the Living Dead QRP op
by "Marshall Emm" <mgemm@mtechnologies.com>

- 91) [2578] Re: Cores for R2 Receiver, any interest?
by "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>
- 92) [2579] Wtd Specs on Showa 9 mHz xtal filter
by Stanley Wilson <microres@crl.com>
- 93) [2580] Re: Mixer Findings
by Leon Heller <leon@lfheller.demon.co.uk>
- 94) [2581] Re: 14.318 Crystals
by Sam <kc5tja@animeonline.ml.org>
- 95) [2582] Attention GlowBugs
by Paul Erickson <paul1@wizard.ucsf.sfu.ca>
- 96) [2583] re: Manhattan
by Joseph Trombino jr <joebarb@wilmington.net>
- 97) [2584] Toroid Help
by penzo@juno.com (Michael A Penzo)
- 98) [2585] Re: Toroid Help
by Stan <stan@cruzio.com>
- 99) [2586] pixie II
by Roger Braker <msebrakr@telepath.com>
- 100) [2587] Re: Novice Round-Up?
by Thom <thom@li.net>
- 101) [2588] 20m tx problems
by Mel Evans <MelEvansGM6JAG@compuserve.com>
- 102) [2589] FCC Renewal
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 103) [2590] FS: Wilderness Sierra
by Kory Hamzeh <kory@avatar.com>
- 104) [2591] Re: Night fo the Living Dead QRP op
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 105) [2592] re: Dan's Small Parts
by Jerry Parker <jparker@fix.net>
- 106) [2593] TIXIE Update and new images
by n2jgu@juno.com (Gary M Diana)
- 107) [2594] Pixie II questions
by Roger Braker <msebrakr@telepath.com>
- 108) [2595] re Dan's Small Parts
by dave_epps@juno.com
- 109) [2596] SMiTe and Pixie II
by n4js@pobox.com (John Sielke)
- 110) [2597] Re: Wtd Specs on Showa 9 mHz xtal filter
by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
- 111) [2598] Re: Replacement quarterly arrived
by bcutter@teal.csn.net (Bob Cutter)
- 112) [2599] Second Announcement for the FEBRUARY SPARTAN SPRINT
by Russ Carpenter <russ@natworld.com>
- 113) [2600] Re; MFJ NEWS LETTER
by RangerSF5@aol.com
- 114) [2601] Novice calls from the 60's
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>

115) [2602] N/T+ Fox for 2/2/98
by Shepherd@aol.com

Date: Fri, 30 Jan 1998 16:03:19 -0800 (PST)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-1@Lehigh.EDU
Subject: [2488] WTB: 10 turn counter
Message-ID: <199801310003.QAA16237@heracles.llnl.gov>

Does anyone have a 10 turn counter (as in for a 10 turn pot)?! If so, let's negotiate. I would hate to buy a new one... Target use is on the NorCal 40A.

Grant/K7GT k7gt@qsl.net

Date: Fri, 30 Jan 1998 19:04:43 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: <ae4ic@nr.infi.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [2489] Fox log - 1/28 - Final
Message-ID: <199801310006.TAA27016@mailhost.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

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> TIME    CALL RCV  SPC  NAME  SNT NR/PWR
> 0300    WF4I 599  NC   DEREK   579 ?
> 0306    N7GS 449  MT   MAL   449 815
> 0309    AB7ST   559  UT   BOB   559 139
> 0312    K5ID 569  AL   KEN   559 652
> 0316    K5ON 579  NM   GARY   559 770
> 0317    K5OI 449  NM   TIM   449 73
> 0320    N7IR INCOMPLETE
> 0326    NQ7X 559  AZ   FLOYD   339 343
> 0401    N7IR 449  AZ   GARY   339 1330
> 0412    AB7TT   559  AZ   JOE   339 191
> 0417    AB7MY   559  AZ   GARY   339 571
> 0418    N7VE 559  AZ   DAN   449 5w
> 0424    W6ZH 339  CA   PETE   229 247
> 0431    KJ7BS   459  AZ   MARK   339 3w
> 0434    KU7Y 339  NV   RON   229 17
> 0437    K1MG 229  CA   MIKE   449 614
>
> TOTAL 15 QSOs
>
```

> If it weren't for tough nights like this, Fox hunting would be easy and
> no
> fun!
>
> Thanks to all of the guys who hung in there!
>
> CUL,
> Bob Kellogg, AE4IC, Greensboro, NC
> Prolably, but not nececelery. -- Benny Hill

Date: Fri, 30 Jan 98 16:14:16 PST
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: ataylor@heracles.llnl.gov
Cc: qrp-1@Lehigh.EDU (qrp)
Subject: [2490] Re: WTB: 10 turn counter
Message-ID: <9801310014.AA01646@wizard.ucs.sfu.ca>

Hi Grant,

Check Fair Radio Sales. They have some 10k multiturn pots with counters
for about \$6.

cheers, Paul
VE7CQK
email: paul1@wizard.ucs.sfu.ca

>
> Does anyone have a 10 turn counter (as in for a 10 turn pot)?! If so, let's
> negotiate. I would hate to buy a new one... Target use is on the NorCal 40A.
>
> Grant/K7GT k7gt@qsl.net
>
>

Date: Fri, 30 Jan 1998 16:19:35 -0800
From: Norm Melick <henmel@postoffice.worldnet.att.net>
To: mgemm@mtechnologies.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2491] Re: batteries
Message-ID: <34D26E17.930C550F@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

For what it's worth, Radio Shack has Ni-MH batteries. The AA is advertised as 1.2 Volts, 1250 mAh, as opposed to their 600 mAh Ni-Cds. Package of 2 is 9.99, which is a little pricey, but cheaper than the swap meets.

I use them in a scanner. Last quite a long time.

Norm

Date: Fri, 30 Jan 1998 19:10:56 -0500
From: Joseph Trombino jr <joebarb@wilmington.net>
To: QRP-L@lehigh.edu
Subject: [2492] Novice Calls From the 60's
Message-ID: <3.0.1.32.19980130191056.006b7830@wilmington.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sorry Gang, but I couldn't resist adding to this thread. I got my novice call, WV2ZDF in Feb 1962 while living in Staten Island, NYC. Back in those days if you didn't upgrade within one year of receiving your novice ticket you just lost it--good only for one year and no renewals!! I upgraded several months later in 1962 and dropped the "V" and got the "A" thus, WA2ZDF. Where is the QRP interest here? My novice tx was a homebrew 6V6--wound the plate coil myself--must have put out all of 5 watts--hmmmm, sound familiar, 5 watts?? Receiver was a Hallicrafters S76.

Anybody out there old enough to remember a very odd operating practice we novices had back then--instead of sending "CQ CQ CQ" we would just send "dit dit dit dit dit"--If anyone heard us they would respond, either up or down frequency, with "dit dit"--that station would then send "dit dit dit dit dit" whereby we would respond with a "dit dit" and knew we had a contact and began to exchange callsigns!!!! QRP interest here?? QSK of course--a lot of novices didn't have T/R switching readily available so we used separate receive/transmit antennas for, of course, full QSK and, of course, we didn't have a clue as to what "QSK" was, we just knew the technique worked!!:)

My first solid state QRP tx?? Anyone remember the International Crystal Co OX-1 xtal oscillator?? But perhaps that story is for another time. Thanks for the trip down memory lane.

72/73 and cheers, Joe W2KJ

Date: Fri, 30 Jan 1998 19:31:48 EST
From: DaveLeDuc@aol.com
To: qrp-1@Lehigh.EDU
Subject: [2493] HW9's Sold
Message-ID: <7463013.34d270f6@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

The HW9's were sold within an hour. I can't believe the number of replies that I received.
Thanks es 73 de Dave K1EPJ

Date: Fri, 30 Jan 1998 19:14:54 -0500
From: Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
To: n2mnn@spacegate.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2494] Eureka! My first pelt.
Message-ID: <34D26CFE.6D46@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey John,

Great Qso, tnks for the contact. My first pelt and I hope not the last.
Gud signal in to SW Ohio just north of Cincinnati. Out put was 5 watts.
Thanks again and will CUL. 73 my friend.

--

73 de
KI8CZ
Tom Isgro
OHIO

<http://www.qsl.net/ki8cz>

10-X #68364 SCI #1479 QRP-L #945 ARS #203
C.A.T.T #2115 FIST 2360 NORCAL ARRL

Date: Fri, 30 Jan 1998 19:49:23 -0500 (EST)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: qrp-l@Lehigh.EDU
Subject: [2495] other batteries/source
Message-ID: <Pine.GS0.3.96.980130194409.19628B-100000@xena.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

After reading the infor on nicads I found some batteries that might be of interest.

12 volt 1.8AH sub C nicad battery pack \$9.95
Yuasa 12VDC -7 Ah sealed lead acid battery used \$6.95 /new \$18.95

These are listed at BG Micro

<http://www.bgmicro.com/>

I have no financial interest in the above.
I just received a box of goodies from them...just as ordered.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Fri, 30 Jan 1998 20:17:58 EST
From: wa8rxi@juno.com (Richard C Arzadon)
To: weinfurtner@ouvaxa.cats.ohiou.edu
Cc: qrp-1@lehigh.edu
Subject: [2496] Re: HCJB
Message-ID: <19980131.012223.4775.0.WA8RXI@juno.com>

Guess this might be the reason why Clarence Moore, W9LZX came up with the Cubical Quad design back in the late 1940's for HCJB. Lottsa Power but Yagi ends burn up quick in the steamy jungle (corona).
Had one back in 70's, great antenna, even built a homebrew 40' tower for it.
But, not real conducive to Michigan winters HI..
Had to almost Fix-Or-Repair-Daily.....Well, maybe after every winter anyway.

72, Rick qrp-1 #1368

On Fri, 30 Jan 1998 10:54:18 -0400 Greg Weinfurtner
<weinfurtner@ouvaxa.cats.ohiou.edu> writes:
I remember they (HCJB) used to be one of the few short wave stations
who broadcast in SSB round about 23 Mhz if I recall correctly.
Interesting effects on music using the independent side band setup on my
Racal
RA17.

Their ham radio broadcast was quite good, I got a pretty good supply
of gospel messages when I sent them a reception report as an SWL.

72 and 73 de Mel
GM6JAG
Edinburgh Scotland UK

> Yes Mel is right! They were on 21.455mhz, just outside of the
>15 ham band. The power was qrp in relationship to the other major world
>broadcasters running 100's of KW of power. HCJB was running a "mere"
>10kw SSB!
>
>
> Back to our regularly scheduled programming... 73 de NS80

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 30 Jan 1998 20:08:07 EST
From: PDouglas12@aol.com
To: QRP-L@Lehigh.EDU
Subject: [2497] Traffic net on 3686?
Message-ID: <11aeed3e.34d27979@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang,

Did I miss something? I keep hearing a relatively high speed traffic net with all those QNI sigs and stuff in the eves on the freq my KnightSMiTe is on. It isn't the KL net, that's for sure. I am afraid to call CQ for fear I will be QRMing that net (fat chance with 100mW, but you never know). So, when do they go away?

72,

Preston Douglas WJ2V

Date: Fri, 30 Jan 1998 20:26:49 -0500
From: w4bws@juno.com (Donald E Sanders)
To: kd7s@psnw.com
Cc: qrp-l@Lehigh.EDU
Subject: [2498] Re: QRP in the 1950s
Message-ID: <19980130.203050.12222.3.w4bws@juno.com>

Well Said, but then we were all at 10 to 20 watts and didn't know any better than to work dx- ain't ignorance bliss.
Don W4BWS

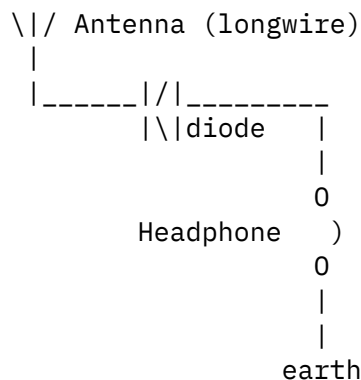
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: 30 Jan 1998 20:30:46 -0500

From: Glen Leinweber <leinwebe@mcmail.cis.mcmaster.ca>
 To: qrp-l;;
 Subject: [2499] BUILD this receiver...Part 3
 Message-ID: <1998Jan30.203046-0500@[130.113.234.7]>

Let's do a troubleshooting job on the simple diode receiver
 that didn't work well (NOT the kind that Nils does out back ;-)

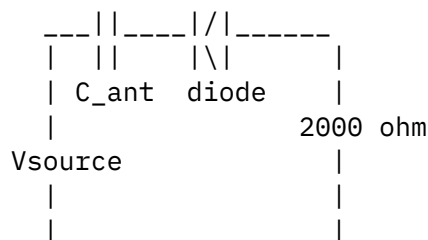
Here is the schematic (choose courier font if you have trouble)



The antenna is our signal source. The diode rectifies the AM wave to generate audio, and the headphone is a more-or-less resistive load. So why don't we hear audio well with this circuit?

Let's examine the antenna. Let's say you've connected your 40 meter dipole up as a random-length longwire. You can short the feedline together, be it coax or balanced transmission line. The shorted feedline goes to the diode's cathode. The signals that you hear are in the AM broadcast band, somewhere between 0.55 Mhz and 1.6 Mhz. This kind of antenna looks like a capacitor at this frequency because it is so short. Part of this capacitance is due to self-capacity and part is due to capacitance to earth.

I'd be really interested to discover what complex impedance the antenna measures, at say, 1Mhz. If anyone has one of those neat impedance analyzers, could you measure and post their complex antenna Z at 1Mhz? For now we'll assume its just capacitive and re-draw the circuit:



earth

earth

The diode conducts better for the negative half of the RF carrier, connecting C_ant to the 2000 ohm headphones. For the positive half-cycles the diode conducts less. The result is recovery of the audio modulation. But where does the audio go? We'd like it to go into the ungrounded end of the headphones. But it doesn't. It goes to charge the capacitor. So the antenna gets the audio, and the headphones get very little! If you put a 'scope on the antenna, you'll see the audio waveform. The headphones get a little audio, because C_ant isn't zero. This is actually a high-pass filter, where the headphones get more high-frequency audio than low-frequency audio.

Our original circuit needs one extra component in order to work well. The junction of the antenna and diode has to be connected to earth to provide a low-Z path for audio. But obviously, it shouldn't be low-Z for the RF carrier at 1Mhz. What single component will do the job?

Answer to question 2: Why does adding earth improve reception?

I like to think of this in cartoon form: You have an antenna whose end is whipping around at a 1Mhz rate. You add a diode to the end of the antenna. It is now whipping around along with the end of the antenna. You add the headphones to the end of the diode - now the antenna end, diode, and headphones are all whipping around together. No energy is transferred to any part of this chain because the end isn't tied down.

Another way to look at it is that the antenna's signal is developed against a ground reference. Only when you attach the headphones to ground is the circuit path complete.

You can dump current to ground all you want, and it just gets sucked up. Its impossible to get ground to show any voltage at all. Ground is always a zero-volt reference.

Date: Fri, 30 Jan 1998 17:44:35 -0800
From: Chuck and Michele Snyder <csnyder@nextdim.com>
To: QRP <qrp-1@Lehigh.EDU>
Subject: [2500] re: Elmering Project
Message-ID: <34D28202.3262F8C@nextdim.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi All,

I really enjoy reading some of the email here. I am currently studying for my "No-Tech" ham license and I am anxious to be apart of the Elmering Project, so let me know when the kits are available.

I am also looking for a HT type 2-M hand-held radio, so if anyone out there knows where I can get a good deal on a new or used unit please send the info my way. Thanks!

Chuck ;-)

URL: <http://www.nextdim.com/users/csnyder/index.htm>
Quote: "What ya gonna' use next...cheese?"

Predator

Date: Fri, 30 Jan 1998 17:38:47 -0800
From: Jim Lowman <jmlowman@ix.netcom.com>
To: DaveLeDuc@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [2501] Re: HW9's Sold
Message-ID: <34D280A7.47E556FA@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

DaveLeDuc@aol.com wrote:

> The HW9's were sold within an hour. I can't believe the number of replies
> that I received.

I can, Dave. No matter how fast I respond to the offer for sale of an HW-9, it's already gone. In this case, I even missed your original post! Guess things are getting worse. :-(

There is a serious demand for the HW-9; more so than its predecessors, even

though Chuck Penson seemed to tout the HW-8 more in his book on Heathkits.

Oh, well....maybe someday....

72 de Jim - AD6CW

Date: Fri, 30 Jan 1998 20:45:36 -0500
From: K4AHK@ix.netcom.com
To: kd7s@psnw.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2502] Re: QRP in the 1950s
Message-ID: <34D2823D.EBB@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, I'm glad to finally see someone own up to getting their call in the 50's! I was really beginning to feel like an OF. I received KN4AHK in Fall of '54. The FCC had just started issuing 'K' calls in the 4th call area shortly before that and I had never heard of ham 'K' calls. I thought that the FCC had made a mistake and issued me a commercial call! Ahh, the tender years.

The first rig was a BC342 receiver and the transmitter was straight out of the ARRL handbook - 6AG7 oscillator and 6L6 final. Worked *lots* of 80m and 40m novice cw.

Bill - K4AHK

Date: Fri, 30 Jan 98 17:49:44 PST
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: qrp-1@Lehigh.EDU (qrp)
Subject: [2503] Any ts930 owners on the list?
Message-ID: <9801310149.AA04039@wizard.ucs.sfu.ca>

Any ts930 users on the list. Please email me direct.

cheers, Paul
VE7CQK

email: paul1@wizard.ucs.sfu.ca

Date: Fri, 30 Jan 1998 20:57:23 -0500 (EST)
From: Robert Parks <rob3ert@vegas.infi.net>
To: qrp-1@Lehigh.EDU
Subject: [2504] (Novice) calls from the past
Message-ID: <199801310157.UAA20475@fh102.infi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Around 1950, when the Novice ticket first became available, my close friend and I went to the FCC test in Detroit, Michigan to be tested. I passed the written for general, but failed the code at 13wpm, but passed 5wpm. My friend passed both the general code and written test. After several months, I was issued WN8HFT (Novice) and W8HFT (Technician) and he was issued W8HHS (General).

Any of you care to guess (or remember) who W8HHS was? That call is now assigned to a club station.

72/73

Bob Parks
K6AEC (ex- WN8HFT, W8HFT, KB6JR)(Las Vegas)

Ob. QRP ---- Worked Michigan to California with 5 watts on 80 meters the first winter I had my ticket. Bands were much less congested then!

Date: Fri, 30 Jan 1998 20:06:59 -0600
From: "George Edwards" <gedwards@onramp.net>
To: <w4bws@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [2505] Re: QRP in the 1950s
Message-ID: <199801310213.UAA00471@mailhost.onramp.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

My first mobile rig in 1959 was a 5 watt 10 meter homebrew that I saw in one of the magazines of that time...may have been QST....don't remember....with the sunspot cycle during that period....I

regularly worked a lot of DX on AM phone. I guess that was my first QRP experience.

73/K5VUU/George Edwards "ED"

> From: Donald E Sanders <w4bws@juno.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Re: QRP in the 1950s
> Date: Friday, January 30, 1998 7:26 PM
>
> Well Said, but then we were all at 10 to 20 watts and didn't know any
> better than to work dx- ain't ignorance bliss.
> Don W4BWS
>
>
> -----
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at <http://www.juno.com>
> Or call Juno at (800) 654-JUNO [654-5866]
>
>

Date: Fri, 30 Jan 1998 18:08:34 -0800
From: dave_epps@juno.com
To: qrp-1@Lehigh.EDU
Subject: [2506] Re: Dan's Small Parts
Message-ID: <19980130.182025.4870.3.dave_epps@juno.com>

Tks for all of the responses. I feel better knowing I'm not the only one in this boat.

In case anyone is keeping a record of ex wn calls.
I started out as wn6vog in the '60's. Used a Globe Scout which I built.
Odd that it seems like I'm right back where I started. It's been a great trip
and still having a ball with it "all"
tks dave ab5pc fresno, ca.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 30 Jan 1998 21:33:36 EST
From: kh6b@juno.com (Dean W Manley)
To: rob3ert@vegas.infi.net, qrp-1@Lehigh.EDU
Cc: kh6b@juno.com
Subject: [2507] Robert Parks <rob3ert@vegas.infi.net>: (Novice) calls from the past
Message-ID: <19980130.163624.5391.3.kh6b@juno.com>

Yes, that would be Doug DeMaw W1FB (SK).
I was W8FGB in MI and worked W8HHS many times on 160m in the early-mid 1950s. I remember the day in the mid-1960s, maybe 1964, when Doug was QRP mobile on 160 in his VW. He was heard leaving MI for the Canadian border, then on to ARRL Hq and a new job. The Novice license was not yet available, so I went directly to General class (Class B, then) in January 1950.

73 and Aloha, Dean Manley KH6B
ARRL Life Member, HI Chapter QCWA,
ARCI 6257, QRP-L 1032, HI-QRP 1, AK-QRP 339,
NorCal 1928, NW QRP 470, OOTC 3642
kh6b@juno.com VTI / W9SAL

Robert Parks wrote:

>>----- Begin forwarded message -----
From: Robert Parks <rob3ert@vegas.infi.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: (Novice) calls from the past
Date: Fri, 30 Jan 1998 20:57:23 -0500 (EST)
Message-ID: <199801310157.UAA20475@fh102.infi.net>

>>Around 1950, when the Novice ticket first became available, my close friend and I went to the FCC test in Detroit, Michigan to be tested. I passed the written for general, but failed the code at 13wpm, but passed 5wpm. My friend passed both the general code and written test. After several months, I was issued WN8HFT (Novice) and W8HFT (Technician) and he was issued W8HHS (General).

>>Any of you care to guess (or remember) who W8HHS was? That call is now assigned to a club station.

>>72/73

>>Bob Parks

>>K6AEC (ex- WN8HFT, W8HFT, KB6JR)(Las Vegas)

>>Ob. QRP ---- Worked Michigan to California with 5 watts on 80 meters
the
first winter I had my ticket. Bands were much less congested then!

----- End forwarded message -----

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 30 Jan 1998 20:34:11 -0600
From: Kevin Muenzler <wb5rue@stic.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [2508] RE: Novice Calls From the 60's
Message-ID: <01BD2DBE.6C985280@SA5399-3-28.stic.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

My great uncle was 5HH back many many many many years ago. Excellent CW call!
He later became W5HH.

Kevin, WB5RUE ex WN5RUE

Date: Fri, 30 Jan 1998 21:36:22 -0500
From: Bob Scott <w4fpj@doubled.com>
To: qrp-1@Lehigh.EDU
Subject: [2509] Re: Novice calls from the 60's
Message-ID: <34D28E26.70CD@doubled.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I was WN3FPJ back in 1966. My station consisted of a Knight-Kit T-150A and a Star Roamer. My antenna was a dipole running east-west that was at most 10 feet off the ground. My T-R switch was a double pole knife switch. The T-150 was cranked back to 75 watts and I just knew if I even thought about using the VFO, the FCC would come pounding on my door and take me away! Radio was magic and ignorance was bliss. One morning before school I worked Hawaii! Somehow we rock bound Novices were able to find each other and even exchange our full addresses so we could QSL. Since you had to either advance or your license expired in a year, the call book was not a lot of help. One nice thing back then was that most everyone QSL'd. None of this 'If you want it, you have to send me a stamp.' Anyway, I really enjoyed the hobby back then and have been trying to recapture the magic ever since. Back then we just did it and did not worry about everything being just right. It sure was fun!

73,

Bob
W4FPJ

Date: Fri, 30 Jan 1998 21:41:44 -0500
From: kc4mhm@juno.com
To: qrp-1@Lehigh.EDU
Subject: [2510] re UNK SIGNALS
Message-ID: <19980130.214146.9430.3.KC4MHM@juno.com>

Thanks to all those who responded to my question about the signal I heard on 4.310. It was a shore based marine station in Slidell LA asking for weather observations and requesting replies on 4,6,8,12,16,&22 Mhz. I inadvertently deleted one of the replies so I was unable to thank you directly. Who ever you are ; thank you, my mistake. This net is a wealth of information.

73 Ed KC4MHM@juno.com

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 30 Jan 1998 21:59:44 -0500
From: Dan Dobson <ddobson@iei.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2511] RE: Strange Signal
Message-ID: <01BD2DCA.648F5280@dip24.nas1.iei.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Thanks to all on the beacon mystery! As most of you suggested, it is an =
airport beacon from a small airport 50 miles or so from my QTH. My son =
thinks it is "awesome Dad!" He's upstairs now, headphones on, trying to =
find more "neat stuff". Who needs Nintendo!

73 Dan KG9KF

From: Bruce Hopkins - KL7JAF[SMTP:kl7jaf@polarnet.com]
Sent: Friday, January 30, 1998 12:06 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Strange Signal

Hi Dan...

I checked the FAA records and the identifier TVX is for a NDB or =
non
directional beacon at Greencastle, IN...

Frequencies just below the broadcast band are used for aircraft &
marine beacons and route markers... The outer compass locator here in
Fairbanks, AK was changed this last year to the 510 frequency... Markers
are generally very low power and only useable at short range while NDB =
used
for route navigation sometimes run as much as 1000 watts continuous =
carrier
with the identifier superimposed on the signal...

Wonder how close you are to Greencastle ??? Take care and have =
fun...

72 / 73 / oo's - Bruce - KL7JAF

Web Page: <http://www2.polarnet.com/~bhopskins>

"Alaska QRP Club" - Web Page: =
<http://www2.polarnet.com/~bhopskins/akqrp>

Date: Fri, 30 Jan 1998 21:58:47 -0500 (EST)
From: Thom <thom@li.net>
To: PDouglas12@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2512] Re: Novice calls from the 60's
Message-ID: <Pine.SUN.3.95.980130215203.15851F-100000@linet01>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi gang,

This is great thread, although I'm sure those not from the '60s won't think so.

I was WN2QDG then WB2QDG. Had to upgrade within one year or you were bannished to the citizens band. That was enough to avoid the temptation of 2 meter phone. Had to spend every waking hour getting that code speed to 13wpm (15 was recommended "you'll be nervous at the exam").

Anyone from New York City area rember taking the General test in Manhattan?

The fellow who gave the test (I believe he is a SK now) was well know and one of the nicest people you ever wanted to meet when your palms almost too sweaty to hold the pencil during the code test.

I was rock-bound at 7.165, when I pass by there today it's like going home to the old neighborhood, things have changed ssb now (There goes the neighborhood..hi)

Someone else posted about the FCC breaking down your doors and hauling you the jail if you went over 75watts INPUT, r even warmed up that VFO. I honestly believed that was true...geez talk about McCarthyism?

Thanks for a great thread and a trip down memory laane

73

Tom Mc Culloch
WB2QDG

thom@li.net

Date: Fri, 30 Jan 1998 20:17:57 -0600
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-l@Lehigh.EDU
Subject: [2513] RE: Centennial
Message-ID: <3.0.3.32.19980130201757.006c7ebc@molsun.ophth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi,

i recently finished my 80m Centennial, and like you, had trouble finding a case for that big circuit board with the tall heat-sink on the pa. finally settled on an old 5-1/4" floppy-disk case (plastic), upside-down. truly ugly.

i had some inconsistencies too, but considered it part of the fun, and for the price, not unexpected. it isn't too painful if you have a well stocked junk box. i had to hand drill some missing holes as well, but that's what those pin-vises are for.

>PS. I just started building the Centennial. I've found
>a few inconsistencies between the parts list, instructions
>and parts that were included; I'll post a report on it in
>a few days. Now to find a case for it...

=====
Adam B. Kanis, N2BRT QTH: Wellman, IA (Near Iowa City) EN41ck
adam-kanis@uiowa.edu QRP ARCI : NorCal : QRP-L: G-QRP : CQC
Straight Key : OHR-100 40m : Carolina Beam oriented N/S
** On the Web at <http://genome33.ped-gen.uiowa.edu/hamradio> **
=====

Date: Fri, 30 Jan 1998 20:09:53 -0800
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@lehigh.edu>
Subject: [2514] ARCI QQ Bench P.S. Article
Message-ID: <34D2A411.446D@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Howdy folks:

It would appear that I may not have been clear enough as to the cost of the unit that will be appearing in the upcoming issue of the ARCI QRP Quarterly. If one already HAS the transformers, case, diodes and wire etc., the cost of the *remaining* components will be around \$ 30.

If one purchased all of the components new, the cost would probably be more like \$ 60 - \$ 70.

I sure don't want to be inadvertantly misleading!

--

Brian Kassel W5VB0
ARCI # 3623
Phoenix AZ ScQRPions

Date: Fri, 30 Jan 1998 19:18:25 -0800
From: Conrad <radman@best.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@lehigh.edu>
Subject: [2515] re: power supply schematic...
Message-ID: <01BD2DB3.DC4BE840@radman.vip.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Thanks to all who responded with *very* creative ideas re: my search for =
a 0-30vdc bench power supply schematic. Looking forward to seeing =
Brian's article in ARCI QRP Quarterly ! That should make an excellent =
club project.

As I ponder various designs... I wonder if anyone has a "spare" HP, TEK, =
etc variable bench supply they'd entertain selling? They can't possibly =
be as scarce as Heath hw-9's... now can they ? :)

Thanks to all again,

72 -- Conrad -- nn6cw. =20

Date: Fri, 30 Jan 1998 22:20:40 -0500 (EST)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: Kevin Muenzler <wb5rue@stic.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2516] RE: Novice Calls From the 60's
Message-ID: <Pine.GS0.3.96.980130220846.11652B-1000000@hercules.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

My call was WN2THC. Everyone from the sixties knows about THC :-)
My first Rig was also my first kit , a knight kit T-60.
My dummy load was a 60 watt light bulb. My field strength indicator was my neighbors old radio which she played about 20 feet from my vertical antenna. I went on to build a Heath SB-300 , Heath stereo receiver/amplifier/tape deck. Inhaled enough solder fumes in high school to knock about 20 points off my IQ.
In fifth grade a friend and I got together to make a crystal radio that fit in a ball point pen. We also made an oscillator that would make our teacher turn around and have a strange look on her face. It was a very high pitch and faint sound. She probably thought she was cracking up. We never got caught. It was *very* hard not to laugh.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Fri, 30 Jan 1998 20:25:05 -0800 (PST)
From: Sam <kc5tja@animeonline.ml.org>
To: Bob Duckworth <wb4mnf@atl.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2517] Re: Homodyne receiver (long)
Message-ID: <Pine.LNX.3.96.980130202445.988A-1000000@animeonline.ml.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 30 Jan 1998, Bob Duckworth wrote:

> Richard-
> Maybe they patented IQ undersampling?
> Have to check.
> Been in my notebook for 20 years, \$\$\$\$\$:-)

Care to give a public domain explanation of the technique? :D

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      QRP-L #1447   |      Chief Architect and Project Founder
                   |      (web page under construction)
=====
```

Date: Fri, 30 Jan 1998 21:26:34 -0600
From: Glen Reid <k5hgb@flash.net>
To: Bill Howell <bhowell@mail.utexas.edu>, Brad Bradfield
<QLF@mimi@magic.itg.ti.com>, Brian Mileschosky <n5zgt@swcp.com>,
Chuck Adams <adams@chuck.dallas.sgi.com>, "Curtis C. Goodson"
<curt@inetport.com>, Ed Popp <k5bot@worldnet.att.net>,
Subject: [2518] February Meeting of the AUSTIN QRP Club
Message-ID: <34D299EA.BBF11A2C@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The next irregular meeting of the Austin QRP Club (A QRP Club) will be:

Date - Saturday, February 14th, 1998.

Time - 10 AM

Place - Cypress Semiconductors

Directions -

Mopac (north or south) exit at Far West. Make first left off of Far
West onto
Austin center Blvd. and an immediate right into the parking lot.
Walk past
the fountain and enter building entrance on the right. Take
elevator to 3rd
floor, enter the glass/wood entrance labeled Cypress Semiconductor.
We will
be in a conference room right near the main entrance.

Since the building may have controlled access to the lobby on the weekend,

one of us will be there to make sure you can enter.

Restaurants in the area for lunch afterward -

Plenty. Just 1 exit away from Anderson Lane, which has everything from Suzi's Chinese, Fuddruckers, Furr's, Souper Salad, etc. to stuff immediately across the street, Chinese, Mexican, Wendy's, HEB Kosher Deli (maybe closed Saturday???)

Hope to see you all there.

73

gr

--

GLEN REID
K5HGB/M(Zero)BGF
Austin, Texas
...in the beautiful hill country of TEXAS...

Austin QRP Club # Pi

Email: k5hgb@flash.net

Date: Fri, 30 Jan 1998 20:35:03
From: "M. Monninger" <markem@primenet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [2519] Re: Novice calls from the 60's
Message-ID: <3.0.5.32.19980130203503.00980c20@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I was WN9CJE in 1960 or 61. Ran a Knight T-60 and Hallicrafters S-108 into a 40M dipole. My one rock was 7195 (that's all they had in stock at Graham Electronics in downtown Indianapolis when my Mom took me down to pick up a crystal). I wired up a surplus dpdt relay to the T-60's accy connector for a TR relay. I later picked up another rock on 7175 (or thereabouts) from a surplus place. The guy had about a million military FT-243's in a big barrel. Took me a couple hours looking thru them all to find one in the Novice band. Cost a quarter. That was about half my weekly allowance.

I still have the T-60 and it still works.

My elmer was Dave, K9PHP, who was a senior in high school...a big kid. He had a neat station. Most impressive was a homebrew 500W plate-modulated AM xmtr. Lots of big tubes on that one. He had a Knight VFO that he would key and run into an antenna. I think it put out 4 or 5 W by itself (there, finally a QRP tie-in :-).

Anyway, my contributions to the nostalgia thread...

Mark AA7TA (ex WN9CJE, WN7ODJ, N7PMQ, KG7JL)

Mark

Date: Fri, 30 Jan 1998 22:37:05 -0500
From: Joseph Everhart <n2cx@voicenet.com>
To: qrp-l@Lehigh.EDU
Subject: [2520] Re: Novice Calls in the 60's
Message-ID: <199801310337.WAA235602@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

This is a thread I can't let pass...

Back in 1960 or so I was one of the "one year and upgrade or you're out" novices. My call was WV2MES. Now what kind of phonetics can you make out of that? The best I could come up with was "malicious egg smasher" Yuk! Of course others dubbed me "mess" and we even had a two meter mess net!

Speaking of the dreaded FCC, my best dx as a novice was California, but it was an swl report of sorts. Seems I was (I thought) on 80 meters and tuned up my pi-net 6L6 rig right into a 67 foot piece of wire. Funny though, nobody came back to my 3710 kHz CQ's. About a week later, I started getting 00 reports in the mail from all over the country - they were hearing me on 7420 kHz! I got very nervous when a pink slip (yeah it was pink) came from a "Candy Company" monitoring station in 6-land. I had inadvertently tune dup the final on the second harmonic! I wrote back immediately to the federal fathers explaining my error, promising to nevermore transgress and abjectly pleading that they not punish me. To my great relief I never heard from

them again.

To fix the problem I went out to Lafayette Radio and bought a field strength meter to be sure the rig was tuned on the right band!

After a year, I upgraded to General and became WA2MES. Kinda galling cause all my buddies in PA were getting K3 calls!

Ahh, nostalgia ain't what it used to be...

72/73,

Joe E., N2CX

>From South Jersey, y'all!

home: n2cx@voicenet.com

work: jeverhar@camden.lmco.com

Date: Fri, 30 Jan 1998 22:38:29 -0500
From: k4wam@juno.com (Bill McKay)
To: QRP-L@Lehigh.EDU, K4WAM@msn.com, k4wam@juno.com
Subject: [2521] test new E-mail address
Message-ID: <19980130.223957.10438.2.K4WAM@juno.com>

Would someone please reply? I want to make sure that I have the QRP list address correctly entered in my address book.. Thanks 73

CMSgt Bill McKay
617 Edgewater Dr.
Belmont NC 28012
K4WAM@msn.com
K4WAM@juno.com

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 30 Jan 1998 20:45:03 -0800 (PST)

From: Sam <kc5tja@animeonline.ml.org>
To: Thom <thom@li.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2522] Re: Novice calls from the 60's
Message-ID: <Pine.LNX.3.96.980130204235.988B-100000@animeonline.ml.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Why, back in 1960, I was a wee tad...I was merely -15 years old. ;-D

(yes, that's -15, not 15)

But I only got my first license about two years ago. Oh well... :D

Ponder: since I couldn't possibly have existed in 1960, would I have been
-15j or 15j years of age? Being imaginary and all... :D

OK...time for dinner. I am starting to get weird.

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      QRP-L #1447   |      Chief Architect and Project Founder
                    |      (web page under construction)
```

Date: Fri, 30 Jan 1998 21:42:28 -0600
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-l@lehigh.edu
Cc: John Seboldt <rohrwerk@pconline.com>
Subject: [2523] Cores for R2 Receiver, any interest?
Message-ID: <3.0.3.32.19980130214228.006bcb90@molsun.ophth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi all,

i've decided that i'm going to build an R2 receiver, that will eventually
be worked into a transceiver design. for those who don't know, the R2 is a
Rick Campbell, KK7B, design of a high-performance single-signal direct
conversion. yes, i ordered the board before Collins decided to put
"homodynes" back in the press.

anyway, i've been checking into various mods that have been put forward, especially those of Glen Leinweber (published in QQ). Glen had recommended substituting home-wound potcores for some of the Toko 10RB inductors Rick had used, the advantage being a higher Q. I'm probably going to make this my main station radio, so I'm looking to do it right. These well designed radios achieve 40-50 dB of opposite sideband rejection, but only with quality, well matched parts. these potcore puppies are hard to find.

primed with info from glen, i tracked down where the TDK potcores that he used could be purchased, and there is good news and not-too-bad news. MH&W out of NJ is the sole distributor in North America. Prices end up being about \$2.00 per set of parts (each potcore is a set and a bobbin), depending on order volume. That was the good news. The not-too-bad news is that there is a \$75 minimum order.

i'd like to order a batch. i won't need 40 sets. i'm sure other people are interested in building the R2 (or should be). would anybody like to take some of the extras off my hands. Not wanting to get into the parts business, I'd make them available at cost + postage, and I'd rather not call it a group buy. let me know by direct email how many you'd want.

FYI - these are the TDK H5C2P14/8-Z-52H cores. If you need permeability or A(L) numbers, let me know - i have them at work.

check out John Seboldt's page with lots of R2/T2 info at
<http://www.pconline.com/~rohrwerk/k0jd/>

--adam, n2brt

```
=====
Adam B. Kanis, N2BRT      QTH: Wellman, IA (Near Iowa City) EN41ck
adam-kanis@uiowa.edu     QRP ARCI : NorCal : QRP-L: G-QRP : CQC
    Straight Key : OHR-100 40m : Carolina Beam oriented N/S
** On the Web at      http://genome33.ped-gen.uiowa.edu/hamradio **
=====
```

Date: Fri, 30 Jan 1998 22:40:28 EST
From: WU0L@aol.com
To: qrp-l@Lehigh.EDU
Subject: [2524] 1960s Novice Days
Message-ID: <6a654d18.34d29d2e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I was licensed as WN0NSY in 1965 in South Dakota. My first rig was a homebrew

crystal controlled transmitter using a 1625 (a 12 volts version of the 807 that sold surplus for 25 cents) that appeared in Popular Electronics and the Rx was a converted BC454. I really don't know how I ever made any contacts, the RX was so lousy, but I did! The first one was K7ZAD in Bountiful, Utah, god bless him.

I never did get the hang of tuning that TX properly and I received a QSL from the FCC monitoring station in Grand Island, NE.

Later upgraded to a used Globe Scout from World Radio Laboratories and a Knight Kit R-100 kit that I built. Thought I was in heaven and contacts were relatively easy. Still seems remarkable that you tuned all over the band looking for some one calling you back with crystal control. How did we ever find each other! I guess there wasn't that many stations on back then.

I still have my logs and QSL's although my niece got into stamp collecting and cut the stamps off with a scissors when I was gone to college.

I upgraded to a "conditional" license which was the equivalent to a "general" license but you could have the test given by another General class licensee if you lived over 150 miles from an official FCC licensing point----in South Dakota "conditionals" were pretty common because S.D. isn't within 150 miles of anything! My call was then WA0NSY. I went to college in Rapid City and the FCC licensed there once in awhile and there I upgraded to Advanced.

I am WU0L now, but those early contacts were such a thrill. I can still remember the first one as if it was yesterday. I ran from my shack in the basement to the living room upstairs and just sat there for awhile before I could tell anyone.

Nostalgia.....

72 Mark WU0L

Date: Fri, 30 Jan 1998 20:52:03 -0800 (PST)
From: Sam <kc5tja@animeonline.ml.org>
To: Bill McKay <k4wam@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [2525] Re: test new E-mail address
Message-ID: <Pine.LNX.3.96.980130205125.988C-1000000@animeonline.ml.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 30 Jan 1998, Bill McKay wrote:

> Would someone please reply? I want to make sure that I have the QRP list
> address correctly entered in my address book.. Thanks 73

599 here... :) How am I coming through? :)

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      QRP-L #1447   |      Chief Architect and Project Founder
                    |      (web page under construction)
```

Date: Fri, 30 Jan 1998 22:53:13 -0500
From: joel malman <malman@world.std.com>
To: qrp-1@Lehigh.EDU
Cc: PDouglas12@aol.com, malman@world.std.com
Subject: [2526] Manhattan
Message-ID: <199801310353.AA26545@world.std.com>

Preston and group:

> Anyone from New York City area rember taking the General test in
> Manhattan?

You bet.

I was WN2VIA, and then WB2VIA. Later I got the wa1 call when I moved to
MA in 1968. Anyways ...

I took my General and Advanced at the Manhattan FCC office in 1965.
I also took my last exam there, the Extra in 1965. Passed the 20 wpm
code test, but failed the written by one or two questions. Lately,
I have started to study for the Extra again. Hummm, it's going to be
my first Ham test in over 30 years. I hope I pass this time.

/joel wa1qvm

Date: Fri, 30 Jan 1998 20:52:35 -0700
From: wa5whn@juno.com
To: qrp-1@Lehigh.EDU

Subject: [2527] Patcomm PC-9000 Compact HF transceiver preliminary specs
Message-ID: <19980130.205248.2662.0.wa5whn@juno.com>

qrp-lers,

For Your' Information {I have no financial interest in this Company,
just an interested Person}

Patcomm PC-9000 { 9 hf bands -- ??}

"Preliminary Specifications"

{ 8 inches width, 2.75 inches height, 7.5 inches depth} small

Dual DDS synthesizers for improved phase noise {No PLL's are used}

SCF {400 Hz to 2500 Hz}

10.7 MHz IF stage

5 watts & 40 watts transmitter output settings

RIT/SPLIT operating modes

Slow/Fast AGC

1 KHz for CW, or fine tuning ?? & 12 KHz per knob revolution {Tuning
rates}

SSB & CW modes are standard {Optional: RTTY, FM, 6 meters & memory
upgrade}

built in keyer

lock button to disable the tuning knob.

The target price is \$799.00 {March, '98 tentative shipping date}

direct frequency entry from external keyboard

Manufactured in Long Island, NY USA

This information was mailed to me by KF2RW, Fred Elsner , Sales Manager,
Patcomm Corp., 7 Flower Field M100, St. James, NY 11780, phone:
516-862-6511, 516-862-6529 FAX

Not much information to work with at this time, however, maybe someone
close to St. James, NY can take peek at the prototypes.

Please, don't send me email asking about this unit, contact Patcomm by phone, or via the postal service.

72...Jay,

WA5WHN

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Date: Fri, 30 Jan 1998 22:56:33 -0500
From: w4bws@juno.com (Donald E Sanders)
To: kh6b@juno.com
Cc: qrp-1@lehigh.edu
Subject: [2528] Re: Robert Parks <rob3ert@vegas.infi.net>: (Novice) calls from
the past
Message-ID: <19980130.230313.5686.0.w4bws@juno.com>

I remember W8HHS as he was at the National Boy Scout Jamboree at Valley Forge Pa in 1957 and was one of the fellows running the W2BSA ham station tent. I still have his eyeball QSL card that I got when I was there. The other fellow was named AL (trying to remember his call) but I believe he was with a principle in one pf the audio companies. They had one of the new B&W 5100 transmitters and an RME 6500 receivers set up and acouple of smaller stations for hams to work .
As Archie Bunker says "Them were the days".

Don W4BWS

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Date: Fri, 30 Jan 1998 23:10:00 -0500
From: w4bws@juno.com (Donald E Sanders)

To: kc5tja@animeonline.ml.org
Cc: qrp-l@lehigh.edu
Subject: [2529] Re: Novice calls from the 60's
Message-ID: <19980130.231712.5686.2.w4bws@juno.com>

Low blood sugar level will do that. Don W4BWS

On Fri, 30 Jan 1998 20:45:03 -0800 (PST) Sam <kc5tja@animeonline.ml.org>
writes:

>Why, back in 1960, I was a wee tad...I was merely -15 years old. ;-D

>

>(yes, that's -15, not 15)

>

>But I only got my first license about two years ago. Oh well... :D

>

>Ponder: since I couldn't possibly have existed in 1960, would I have
>been

>-15j or 15j years of age? Being imaginary and all... :D

>

>OK...time for dinner. I am starting to get weird.

>

>=====

> KC5TJA/6		- TEAM DOLPHIN -
> QRP-L #1447		Chief Architect and Project Founder
>		(web page under construction)

>

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>

>

>

>

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Date: Fri, 30 Jan 1998 23:08:30 EST
From: MSU1972@aol.com
To: qrp-l@Lehigh.EDU
Subject: [2530] Responses
Message-ID: <56d7eb64.34d2a3c0@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Thanks for all the responses to my question on the front panels. There were great ideas in many responses. It makes me want to ask all the questions I have in mind and publish all the great responses. This is a fantastic forum with all willing to help.

Questions, i.e., How to test diodes, capacitors, transistors, IC's etc. Can they be tested in the on the PCB or do they have to be unsoldered first? (I love kit building but am not an expert in troubleshooting. Is there a book with these common questions on troubleshooting - or should I just begin the questions...and publishing the answers.

Other thoughts: What a great CD-ROM the FAQ's would make!

Continuing the rambling questions: If the HW-9's are so popular...why doesn't someone produce a HW-9 kit today?!?!?

You can tell it's getting late! -- Tnx everyone again...David

Date: Sat, 31 Jan 1998 00:11:29 EST
From: ka7you@juno.com
To: QRP-L@Lehigh.EDU
Subject: [2531] Pixie II (or other xtal) frequency
Message-ID: <19980130.212205.16199.22.KA7YOU@juno.com>

I have built a couple of Pixie II's and am having trouble with the frequency of the beat note during receive.

It seems that whenever I hear another station, the beat note is very high. My Pixie is set up with a SPDT (center off) switch, so that I have three different frequencies to listen to. The trouble is It seems that I need to lower the xtal frequency to be closer to 'zero-beat. I've tried several different xtals and they all seem to be the same.

I have three frequency counters here, and they all agree in frequency, at about 3686.9 to 3687.4, depending upon which 'RIT' cap is switched in, or the xtal is grounded directly.

I'm looking for ideas to 'rubber' the xtal down slightly. Will a small inductor help, if placed in series with the xtal?

Thanks

Rod Johnson KA7YOU from CN97ak near Issaquah, Wa. 160M thru 1296 MHz
(3456MHz still in the wings)

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 31 Jan 1998 00:25:26 -0500 (EST)
From: Robert Parks <rob3ert@vegas.infi.net>
To: qrp-1@Lehigh.EDU
Subject: [2532] (Novice) Calls from the past
Message-ID: <199801310525.AAA18408@fh102.infi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Wow! I used to think I was the only OLD-timer on this list! From the number of people who remembered Doug DeMaw's original call, W8HHS, I guess I was wrong!

I also learned that we have a large number of "listeners" who don't often speak up.

Wonderful group.

72/73

Bob Parks
K6AEC (Las Vegas)

Date: Fri, 30 Jan 1998 23:57:42 -0600
From: Tim Ahrens <tahrens@inetport.com>
To: qrp-1@Lehigh.EDU
Subject: [2533] SGC-2020 Info
Message-ID: <34D2BD56.C1DD45D2@inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just noticed that SGC has put up a copy of the preliminary user's manual for the rig. Also sounds like the production ramp will be somewhat slow.

cu

Tim W5FN

My computer ate the last 100 messages off the list, so if this is a duplicate posting, my apologies.

Date: Fri, 30 Jan 1998 23:01:58 -0800 (PST)
From: Sam <kc5tja@animeonline.ml.org>
To: qrp-l@Lehigh.EDU
Subject: [2534] Mixer Findings
Message-ID: <Pine.LNX.3.96.980130214409.988E-1000000@animeonline.ml.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I know that everyone was "warning" me not to use transistors as mixers, because of their horrible performance. Basically, their performance was on par with single diode mixers, a la crystal-set receivers and most AGC circuits.

Towards the lower frequencies, say, around 5.0 to 6.5MHz or so, the mixer seems to work satisfactorily. I get crisp, loud, clear signals, even with an antenna as short as 20ft. However, as I go over the 6.5MHz mark, the noise level increases significantly, rendering the radio useless.

I'd hate to see how my future AF amplifier would have handled the noise... :)

Anyway, my next design will make a balanced signal from the VFO, and use that to feed a balanced mixer of some sort. I don't know if it'll be a diode mixer (doubly balanced) or a single balanced yet (two transistors). Odds are likely that it will be a doubly-balanced diode mixer using Ge diodes.

The disadvantage to having a diode mixer, however, is that I need to wind a number of transformers: one for the LO, one for the RF side, and finally, one for the AF side.

The advantage is that the design of the AF amplifiers should become easier as the impedances won't be so odd-ball now...

More news to come as it happens, as usual... :D

=====

KC5TJA/6	
QRP-L #1447	

- TEAM DOLPHIN -
Chief Architect and Project Founder
(web page under construction)

Date: Fri, 30 Jan 1998 22:06:35 -0800
From: "ALAN KAUL" <alan.kaul@worldnet.att.net>
To: <qrp-1@Lehigh.EDU>
Subject: [2535] power supply
Message-ID: <19980131060720.AAA6514@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I agree with Bill -- and cast another vote for the \$30-VARIABLE VOLTAGE
POWER SUPPLY as the next Norcal Project. (although I'm under no
illusions that we get to vote on kits!!)

73/72 de alan

Alan Kaul, W6RCL
Amateur Radio website: <http://home.att.net/~alan.kaul/w6rcl.html>
alan.kaul@worldnet.att.net
w6rcl@amsat.org

Date: Sat, 31 Jan 1998 01:17:23
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [2536] Re: Manhattan
Message-ID: <3.0.3.16.19980131011723.2c27106a@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Preston and group:

>

>> Anyone from New York City area remember taking the General test in
>> Manhattan?

Me too. Novice in '68 (WN2HMT) then general in '69 (WB2HMT)

Just started High School when I got the novice, 10 months latter was
chaperoned to NYC for the first time to take the General. Took the comuter
train from Plainfield, NJ along with my best buddy, Rich, WN2HMR and his dad.

Rich and I went back a few times on our own and after the vist to the FCC
wandered around Canal St. They were just starting to build the World Trade

Center then, so all the good places had been leveled. I had an Advance class ham and First Class Radio Telephone, with radar endorsement, by the time I graduated High School. Would have gone for the marine radio license too, but the 20 wpm and 6 months at sea kinda stoped me :-)

The FCC offices were really neat for a kid. Old building, worn wooden floor, rickity elevator to the 6 or 7 th floor, paper tape code machine for the test. Stone faced FCC examitor lisened to you send the code. The seeemigly long nervous wait to know if you passed or not. Ahhh, the good old days.....

73 Steve, KD1JV, ex WN2HMT, WB2HMT, WA1WNA, KC4JVK

Date: Fri, 30 Jan 1998 21:27:09 -0900 (AST)
From: Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
To: qrp-1@Lehigh.EDU
Subject: [2537] SGC-2020 Headphone Jack...
Message-ID: <v03007802b0f7f58db794@[204.119.24.120]>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Hi Gang...

Looks like they got the word that we needed a headphone jack...
Audio is available at the microphone connector as well as now the rear panel...

<fontfamily><param>B_Times_Bold</param><bigger><bigger><bigger>11.3
EXTERNAL SPEAKER (rear panel)

</bigger></bigger></bigger></fontfamily><bigger><bigger><bigger><fontfamily>=
<param>Times</param>The
earphone connector is a 3.5 mm stereo jack. Walkman type

stereo headphones can be connected directly to the radio, or an
external speaker may be connected via this jack. When this
connection is used, the internal speaker is automatically
disconnected.</fontfamily></bigger></bigger></bigger>

Take care and have fun...

72 / 73 / oo's - Bruce - KL7JAF

Web Page: <http://www2.polarnet.com/~bhopkins>

"Alaska QRP Club" - Web Page: =20
<http://www2.polarnet.com/~bhopkins/akqrp>

Date: Fri, 30 Jan 1998 22:30:46 -0800
From: "ALAN KAUL" <alan.kaul@worldnet.att.net>
To: <qrp-1@Lehigh.EDU>
Cc: "Rohn-NORTX chrome" <rohn@pubrats.com>, "Bob-K6RKB chrome"
<rbayha@ix.netcom.com>, "Paul-VE7CQK chrome" <paul1@wizard.ucs.sfu.ca>,
"Stan-K7NUU chrome" <lapointe@dnai.com>
Subject: [2538] Chrome Base for Norcal Paddles
Message-ID: <19980131063132.AAA25361@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang....

It's time to decide whether or not there's enough interest to chrome plate the bases for the Norcal Keyer by K8FF. I read with some interest that the San Luis Machine Shop had colored versions avbl for approx \$15. If we can get 7 people who are want a chrome base, we can get the work done for \$8 each (that is \$5 for the plating and \$3 for return postage). Quite a difference for what i think is a terrific finish.

However, you must prepare the surface properly -- that means sand it down to bare metal (i.e. no pits, no scale). It took me about 2-hours using 220, 320 and 400 grade sandpaper (the finish sanding was with wet paper to get the microscopic scratches out). If you're not prepared to surface the base properly, then it isn't worth paying for the chrome finish.

Because of a minimum payment requirement, I'm hoping we can get 7 signups. If there are only 3-signups, then the cost jumps to \$10 / per base, plus postage.

Please let me know if you are serious, and I'll send you my address and who

to make the check payable to, etc.

Please and thanks, and best 72/73 de alan

Alan Kaul, W6RCL

Amateur Radio website: <http://home.att.net/~alan.kaul/w6rcl.html>

alan.kaul@worldnet.att.net

w6rcl@amsat.org

Date: Sat, 31 Jan 1998 01:43:40 -0500

From: Tom Morgan <liveoak@sccoast.net>

To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>

Subject: [2539] (Novice) Calls from the past

Message-ID: <01BD2DEA.96A5FE20.liveoak@sccoast.net>

Hey gang!

Gosh, y'all are making me feel young again - Mine was WN4JKS. Upgraded to WB4JKS & had to drive half-way across the state to Norfolk to take the exam. Trust me - VE's are a lot nicer!

The absolute worst call I had was with MARS - N0PUU! Glad that one's gone.

72,

Tom AF4HL

Date: Sat, 31 Jan 1998 01:44:31 -0600

From: John Sullivan <sullivjd@sound.net>

To: qrp-1@Lehigh.EDU

Subject: [2540] Re: (Novice) Calls from the past

Message-ID: <34D2D65F.305F@sound.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I had WN0ATO in 1961, I think it was '61.

Wish I still had my KnightKits. As has been mentioned...careless operation of a T-60 invariably resulted in 00 postcards and pink slips, and, I feared, an entry of some sort in my Permanent Record. I was

stunned. There was someone listening for my signals in what I assumed was the Void between amateur bands.

I went on to be a technician before the year run out. I remember the horror of finding WA0ATO instead of W0ATO on the ticket when I upgraded.
de kg0mz

Date: Fri, 30 Jan 1998 23:58:58 -0800
From: Bill Todd <bill@willapabay.org>
To: qrp-l@Lehigh.EDU
Subject: [2541] New E-mail address for N7MFB
Message-ID: <1.5.4.32.19980131075858.00718cb4@mail.willapabay.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello Group -

I have finally located a more reliable local server! It's kind of a bummer when you attempt to connect to your server five times in a row to finally get through (hi).

My new E-mail address is:

bill@willapabay.org

Thanks!

CUL, Bill-N7MFB
QRP-L #715

Date: Sat, 31 Jan 1998 01:38:39 -0800 (PST)
From: Bill Vodall <wa7nwp@bigsky.com>
To: qrp-l@Lehigh.EDU
Subject: [2542] 14.318 Crystals
Message-ID: <199801310938.BAA10728@eagle.bigsky.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

A friend called tonight with a strange request. He offered a "mystery box" for a standard computer power cord. Always one for a mystery, I went for the trade.

It turns out the mystery box was full of old 386 motherboards. Some may find a little remaining life in the APRS/NOS services. The others will be stripped for parts.

One intriguing component that seems common to all the boards is a 14.318Mhz crystal. At least one had a 14.318 oscillator pack.

It's unlikely a readily available source of crystals in the amateur bands would go unnoticed by the QRP folks..

So, has anybody tried using these for a Pixie style fixed frequency CW rig?

There might be a bit of compition from the 2KW SSB stations but what the heck - we like a challenge.

73,
Bill - WA7NWP

Date: Sat, 31 Jan 1998 06:15:39 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [2543] Novice Calls
Message-ID: <01bd2e39\$8fe1dec0\$3b5445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Everyone,

Well I still remember the day I passed my Novice test. When I got WN3AAL in the mail I was jumping for joy! I was already tring to figure out phonetics for the call before I got on the air!

My first rig was a loaner, Johnson Viking II transmitter with a Realistic receiver. Boy I was burning up the air waves. My first rig I purchased was a Heathkit HW-7. I had a ball when I figured out the tricks to using the rig. I can even remember running from the basement to the 3rd floor and crawling out onto the roof to turn the beam I bought at a hamfest! I even remember my 1st DX contact. VE2ECG, Romain had a picture of a seaplane on the card. I got even a bigger kick when I ran up to the roof, turned the beam and worked a Japan station with the Johnson Viking II and a Hammerlund receiver.

Now I sit here with all the new radios and computers just thinking when the year 2000 arrives I can join the QCWA.

Alot of my friends asked me when the vanity calls sign gate opened, why don't I get a different call? Well this call is like an old friend! Alot of memories and fun!

73, Good DXing & QRPing
Ron de WB3AAL

E-mail: wb3aal@talon.net
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

EPA QRP # 1 QRP # 5318 10-10 # 13173
QRP-L # 1099 G-QRP # 3031 AK QRP # 309

Date: Sat, 31 Jan 1998 07:45:55 -0500 (EST)
From: Bensondj@aol.com
To: qrp-l@Lehigh.EDU
Cc: mikemo@ibm.net
Subject: [2544] re: Elmer update
Message-ID: <980131074552_2065682984@mrin51.mx>

on Fri, 30 Jan 1998,
From: Michael Maiorana <mikemo@ibm.net> wrote:

>To: qrp-l <qrp-l@Lehigh.EDU>
>Subject: [2419] Update to elmer student list

>Well, we hit the 100 mark quickly. I spoke with Dave Benson regarding
>making a larger first run on these kits. He agreed! So, we are already
>at 122, so I'll take names for a while longer.

>Email me if you are interested! We will be building and updated version
>of the sw-40 xcvr. The kit was \$50 for the first 100, and may go up to
>\$55 for all those over 100 (I'm not sure).

My thanks to Mike for all his efforts on this! Since he's still getting inputs, the original \$50 offer is still good. We should probably close the pricing special after this weekend (or whenever Mike tires of taking names) - Tuesday noon would be a good, if arbitrary, cutoff.

I've received a number of technical suggestions- thanks to all who contributed ideas! As I firm up the last of the updates, I'll plan on posting a summary of changes with respect to the original design. In the meantime, I'm just about done creating a custom pad library for the layout software. This means that one thing in particular won't change- I'll carry forward the oversized pads and tracks of the original design.

Thanks & 73,

Dave Benson, NN1G

Date: Sat, 31 Jan 1998 08:35:42 -0500
From: Michael Maiorana <mikemo@ibm.net>
To: qrp1 <qrp-1@Lehigh.EDU>, wa7nwp@bigsky.com
Subject: [2545] Re: 14.318 Crystals
Message-ID: <34D328AE.4D3A@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill Vodall wrote:

> One intriguing component that seems common to all the boards is
> a 14.318Mhz crystal. At least one had a 14.318 oscillator pack.

Just a little computer trivia. That 14.31818 mhz crystal was included on the original IBM pc to provide two different frequencies, divided by 4 it was the colorburst freq for the color video card, and divided by 3 it was the cpu clock 4.77 mhz. Even though the hardware design could run in spec at 6 mhz, they chose 4.77 for simplicity (dont need another crystal). Heck, who would want to go faster than 4.77 mhz anyway? Yeah, and 640k ram should be more than anyone will ever need.

Only some of the very early video adapters used this colorburst freq, but it is on all new motherboards for backward compatability.

72 de kf4trd

Date: Sat, 31 Jan 1998 08:23:44 -0500
From: Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
To: PDouglas12@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2546] Re: Traffic net on 3686?
Message-ID: <34D325E0.24C3@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

PDouglas12@aol.com wrote:

>
> Hi Gang,
>
> Did I miss something? I keep hearing a relatively high speed traffic net with
> all those QNI sigs and stuff in the eves on the freq my KnightSMiTe is on. It
> isn't the KL net, that's for sure. I am afraid to call CQ for fear I will be
> QRMing that net (fat chance with 100mW, but you never know). So, when do they
> go away?
>
> 72,
>
> Preston Douglas WJ2V

The FIST CW Club has a net on Tues and Thurs on 3.682 starting at
0200utc. Runs until all checkins have been processed.

--

73 de
KI8CZ
Tom Isgro
OHIO

<http://www.qsl.net/ki8cz>

10-X #68364 SCI #1479 QRP-L #945 ARS #203

C.A.T.T #2115 FIST 2360 NORCAL ARRL

Date: Sat, 31 Jan 1998 09:12:08 -0500
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.EDU>
Subject: [2547] FS MFJ 9020
Message-ID: <34D33138.BEEB2BCD@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

MFJ 9020, 20 meter, CW, QRP rig for sale.
With original box and manual.

\$100 shipped in the 48 states.

michael N6CHV (in central Florida)

Date: Sat, 31 Jan 1998 09:15:28 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@Lehigh.EDU
Subject: [2548] Novice calls, the 60s & roolz & regs &c
Message-ID: <19980131.091705.2038.0.nilsbull@juno.com>

Ah, nostalgia. I'm full of it myself. Which makes all these reminiscences of novice calls so, well, charming.

Back in 1950, I was 4 years old. My first hint of ham radio must have been around 1956, when I ran into K8BSM, a gentleman who became tooth doctor to me (for a while) and Dad (until Dad didn't have 'em any more). Doc Sargent showed me his collection of monstrous radios (home brew SSB transmitters in 6-foot relay cabinets) and let me listen in on stuff.

Never learned the code back then. Went straight to SWLing and collected rarities like a card (now lost) from the British Honduras station on 3.3*** MHz. Even heard Radio New Zealand once.

So I learned code at the Navy's insistence and ain't been sane ever since. First call was WP4DKA. Then WN8IJN. And what I've got now stays until I stop breathing. To curmudgeonly to change, actually. Between Doc Sargent's digs, my adventures as an SWLer and the USN, my cousin, Keith Schreiber, got his license (present call is W8KTH . . . how'd he manage that). I remember going into his basement and watching him tune up some Heathkit monster on a 100 watt light bulb. (How many folks remember that one? Hell, I did it in PR on my DX60B . . . and radiated as well with that as with the vertical on the roof.)

Somewhere around 1976 or so I met a guy named Ken Hines who was wanting to get into ham radio big time. This was back when Generals & up could give the Novice test via the mail. Ken studied and practiced and listened to his TS180 (I think . . .) and eventually got his ticket. I forget what his call was. But I do remember him getting his ticket with a WN8 prefix and then a couple months later getting another note from the FCC saying that they'd cancelled his WN8 call. They sent a new license along with his new call. WB8 or W*8, which was about the time that the FCC gave up on tracking all these call changes and just gave applicants a call sign that they'd be stuck with until they stopped breathing or changed QTH.

And then it began: the alphabet soup call sign conspiracy. Just after (if memory serves) the 1976 Bicentennial (or was that "buy cent any-all?"). Once that happened, I gave up trying to figure out who was what by which call sign. And decided to keep the one I've got, thank you very much.

And somewhere along the line I built a 3 transistor transmitter out of a nasty VFO and some IF amp cards that I found somewhere. And a one-transistor/1-tube transmitter with a link coupled output from a 12BY7. Chirp much? Maybe I was on the wrong island.

Anyone else beside Jim Skalski remember the OVTN with their not-so-elaborate shorthand for adventures with THC? "Yeah, man, I'm working some really great DX right now" (said with constricted breathing passages, as if doing that would keep the fumes in yer lungs longer). Or WB4REN's famous blower noise into a D104 during a session of "LNR" (Late Night Radio) during which time we often linked up with other subversive weed-heads across the country? Ah, nostalgia.

73
Nils

Nils R. Bull Young
La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
<http://www.fortunecity.com/victorian/mehetebell/94>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 31 Jan 1998 09:35:36 EST
From: AC6JA@aol.com
To: qrp-1@Lehigh.EDU
Subject: [2549] SG-2020 receive current drain!
Message-ID: <2a6169ca.34d336ba@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

i just wonder if anyone else besides me has noticed that the rated receive current drain keeps getting inched higher on their web page. i believe when i first saw the 2020 web page the current drain was approx. 200ma, lastly it was 300ma, now since yesterday they raised it to 350ma. pretty soon i can upgrade to the icom 706mkII and not feel guilty about the current drain. anyways, i placed my order for the 2020 back in october and am anxiously awaiting a FIRM delivery date. that keeps getting inched forward too!

72's

Mike AC6JA/qrp

Date: Sat, 31 Jan 1998 10:04:25 -0500
From: ckrelic@usaor.net
To: qrp-1@Lehigh.EDU
Subject: [2550] FS: Emtech 80
Message-ID: <34D33D79.ED7FC71E@usaor.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

80 meter version recently built and factor
aligned with unbuilt OHR DD-1 \$140

Radio only, \$100 shipped, I would like to
sell the radio before the counter__Tnx

Curt/K3ivb

Date: Sat, 31 Jan 1998 10:12:06 -0500
From: Thomas J McCuen <TMcCuen@compuserve.com>
To: QRP-L Lehigh Server <qrp-l@Lehigh.EDU>
Subject: [2551] SG-2020 receive current drain!
Message-ID: <199801311012_MC2-3154-68EA@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Message text written by INTERNET:AC6JA@aol.com

>i just wonder if anyone else besides me has noticed that the rated receive current drain keeps getting inched higher on their web page. i believe when i first saw the 2020 web page the current drain was approx. 200ma, lastly it was 300ma, now since yesterday they raised it to 350ma. pretty soon i can upgrade to the icom 706mkII and not feel guilty about the current drain. anyways, i placed my order for the 2020 back in october and am anxiously awaiting a FIRM delivery date. that keeps getting inched forward too!
<

Last time I ran a 706 it was pulling abt 1.5 amps during rx This is not going to replace my backpack qrp rig, but it will be my choice for car trips/outings. I can live with a little more power usage if the rest of the specs (or even most) hold true. Even with the higher power use, it will run a good time on my 10ah battery setup.

I'm waiting too,... and I placed my order back abt August something!

I'm fiq'ing it will only be another week if SCG holds to their last comments (old qrp-l messg).

Tom aa2vk

Date: Sat, 31 Jan 1998 10:12:32 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: <amarriot@direct.ca>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [2552] Re: QRP 15, or RadioKit Xcvr Help
Message-ID: <199801311512.KAA48486@mail1y-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Dan and gang,

Maybe Rick can help out? His e-mail address is K1BQT@AOL.COM.

Rick has been very helpful to me regarding the MFJ rigs I own and use.

GL

72 Kevin N2T0
Brooklyn, NYC
kfglynn@prodigy.net

> From: Albert Daniel Marriott <amarriot@direct.ca>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: QRP 15, or RadioKit Xcvr Help
> Date: Thursday, January 29, 1998 11:02 AM
>
> Hello All,
>
> I need a component layout and any instructions for the RadioKit version
of
> the QRP 15 Transceiver.
> This transceiver was originally introduced by Rick Littlefield some years
> ago, and I have all his articles. The board I have from FAR does not
have
> the components silkscreened, and I am trying to save myself some
headaches
> if I can get a hold of the RadioKit layout to help me.
> Any help would be appreciated. Thanks.
>
> Dan VE7CTN
> amarriot@direct.ca
>
>

>

Date: Sat, 31 Jan 1998 07:24:24 -0800
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-l@Lehigh.EDU
Subject: [2553] Re: Novice calls from the 50's...oops, 60's
Message-ID: <3.0.1.32.19980131072424.0069480c@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Can't pass this thread...

Was issued KN6VVH on 1/10/57...passed the exam in November of '56 and drove my Mom crazy every day when she picked me up a school (5th grade)..."did it come yet?...did it come yet?":>) My Elmer was W6QJH, who had nice QRO gear (Collins, mostly, including a KW-1) but still ran a transistor rig for fun, working JA's on 15 meters at 15 or 20mW (great QTH and antennas, and near the peak of the best sunspot cycle)...

Didn't upgrade 'til '61 as W5LGP (for a few months) and W9CGX. Took my General exam in Milwaukee...room acoustics were *awful*...you could miss a letter, but get it on the reflection:>))

Thanks for the memories!

72/73,
Jack Parker, W7PW
QRP-L #1310, 10GHz VUCC #3, 50MHz WAS, SMIRK #3335, ARRL Life Member, DM-09

"...the time is fast approaching when freedom, public peace, and social order itself will not be able to exist without education."

Alexis de Tocqueville--Democracy in America (1834)

Date: Sat, 31 Jan 98 15:55:48
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "GQRPL List" <qrp-l@blacksheep.org>, "qrp" <qrp-l@Lehigh.EDU>
Subject: [2554] Sprat Index
Message-ID: <199801311556.JAA06689@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Can anyone tell me if there is an index for Sprat on the net anywhere??

Larry KA5T

Georgetown, Texas
lewise@inetport.com

Date: Sat, 31 Jan 98 15:58:36
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@Lehigh.EDU>, "QQRPL List" <qrp-1@blacksheep.org>
Subject: [2555] 40673 vs NE602 mixer data ??
Message-ID: <199801311559.JAA06785@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Gang:

Does anyone have mixer performance data for an 'optimized'
version of these two devices used as QRP receiver mixers???

thanks,

Larry KA5T

Georgetown, Texas
lewise@inetport.com

Date: Sat, 31 Jan 1998 10:06:50 -0600
From: Chuck Carpenter <w5usj@webwide.net>
To: qrp-1@Lehigh.EDU
Subject: [2556] RE: Sell for QRP rig funds
Message-ID: <3.0.1.32.19980131100650.0069900c@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

All,

The Santec, The DX Handy, and the Antenna are Sold.

Santec ST-20T VHF FM Transceiver w/manual

AEA DX Handy 10mtr SSB/CW Transceiver w/manual

HyGain Model 153BA-S

The ICOM 70 cm HT is still for sale:

ICOM IC-u4AT UHF FM Transceiver w/manual

2, BP-22 Battery packs -- rechargeable

1, BP-20 Battery pack -- for AA cells

\$125 (hardly used, no UHF repeaters close to where I live now)

Thanks to all who replied.

72/73

Chuck, W5USJ

Rains County (pop 6900), TX - EM22cv

ARCI # 5422, QRP-L # 1306, FISTS # 3984

Date: Sat, 31 Jan 1998 16:12:58 +0000
From: Bob Roach <KE4QOK@worldnet.att.net>
To: mikemo@ibm.net, qrp-l@Lehigh.EDU
Subject: [2557] Re: 14.318 Crystals
Message-ID: <19980131161256.AAA18136@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:35 AM 1/31/98 -0500, you wrote:

>Bill Vodall wrote:

>> One intriguing component that seems common to all the boards is
>> a 14.318Mhz crystal. At least one had a 14.318 oscillator pack.

>

>Just a little computer trivia. That 14.31818 mhz crystal was included on
>the original IBM pc to provide two different frequencies, divided by 4
>it was the colorburst freq for the color video card,

>

Is there an opportunity here to use a divider and make a 20/80M rig??

(o o)

-----o00_()_00o-----

73 es TNX Advanced, VE, QRP-L#1264, AR QRP#83
KE4QOK KE4QOK@worldnet.att.net
Bob ke4qok@juno.com

136 Hermitage Road When the student is ready.....
Newport News, VA 23606 The teacher will appear.
(757)930-0348

Date: Sat, 31 Jan 1998 11:20:16 -0500
From: "John J. McDonough" <jjmcd@mdn.net>
To: <qrp-L@Lehigh.EDU>
Subject: [2558] Re: (Novice) Calls from the past
Message-ID: <199801311617.6316400@midland2.mdn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> The absolute worst call I had was with MARS - N0PUU! Glad that one's gone.

Ahh yes, I was at the other end. I had the MARS cal AFB1AA for a while, and dummy here let it go!

73 de WB8RCR

Date: Sat, 31 Jan 1998 11:20:26 -0500
From: "John J. McDonough" <jjmcd@mdn.net>
To: <qrp-l@Lehigh.EDU>
Subject: [2559] Re: Manhattan
Message-ID: <199801311617.6316500@midland2.mdn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> >> Anyone from New York City area rember taking the General test in
> >> Manhattan?

Hehe - when I was a kid, I made many pilgramages to 'the city'.
Often, on a trip to 'radio row', I would gaze in awe at the federal
building. Me and a buddy studied hard, I got my code up to around
25wpm, but never could work up the nerve to take the test! He did,
tho, and got the call WA2YWG.

Years later, after I had moved to the midwest, I took the test in NYC
during a visit back home. Once again, I was horribly nervous, and in
spite of the examiner's best efforts, I blew the code, but got my
tech. A few months later I got my advanced in Charleston, WV, where
the examainer wasn't nearly as helpful.

> Rich and I went back a few times on our own and after the vist to
the FCC
> wandered around Canal St. They were just starting to build the
World Trade
> Center then, so all the good places had been leveled. I had an
Advance

Funny, even tho I had made many trips to NYC, it was years after the
trade tower was built that I went back looking for radio row and was
heartbroken to see all that concrete standing where one of the most
magical places in the world used to be. Oh well, progress I guess.

73 de WB8RCR

Date: Sat, 31 Jan 98 16:02:54
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@Lehigh.EDU>
Subject: [2560] MFJ 90x0 rigs schematic diagram on net ?
Message-ID: <199801311636.KAA08222@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang:

Does anyone know if a copy of the current version of this is available
on the et anywhere?

I looked at the MFJ site and at the online manual, but it had no diagram...

thanks,

Larry KA5T

Georgetown, Texas
lewise@inetport.com

Date: Sat, 31 Jan 1998 11:15:50 -0800
From: Charles Kadesch <chas@digizen.net>
To: qrp-1@Lehigh.EDU
Subject: [2561] Re: Novice calls of the 50's
Message-ID: <34D37866.5F11@digizen.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A pleasant trip down memory lane. I got my Novice ticket and the call WN3VOS in April 1953. Shortly thereafter, I was on 40 meters with a converted ARC5 command set receiver, a homebrew 6L6 at ten watts and a folded dipole. One morning, I got up at 4 am and pounded out some CQ's. Digging in the noise and pushing the cans into my ears with both hands, I heard a VK3 calling. A quick glance at the countries list in the old ARRL logbook and I nearly fell off the chair. After a short QSO, I was so hyped-up I ran downstairs and woke my parents to tell them. I doubt they were as thrilled as I was at that moment but we had many laughs about it later. I was hooked. I stlll am.
-72 de Chas W3KC-

Date: Sat, 31 Jan 1998 11:51:11 -0500
From: "Bob Edwards, W4ED" <w4ed@flash.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2562] Re: Novice calls from the 60's
Message-ID: <34D3567F.E34A6CDC@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

WN8CRT -> WA8CRT,

With the new elmer project well along in planning, and reflecting on the 60s, I'm reminded of my elmer, now SK.

In teaching code, he made us hear the letters, not visualize them. Made us send good code too. Tested us for novice class, not all passed either.

He loaned me a surplus 80m ARC-5 receiver. Gave me a schematic for a single tube 6146 crystal transmitter. I built it from scrounged parts and a shinny new 6146. He checked it once construction was complete then showed how it should be tuned for cleanest output (no chirp). Like others already mentioned, after sending CQ, I would tune around the novice band for a reply. It was very exciting for a young teenager. When the band got busy, the ARC-5 would bring in a lot of stations at once. The secret was to pick out the tone of your contact and listen for just that one tone. I didn't know any different, thought that was normal for CW operation in the novice band.

Same elmer taught classes for upgrading to General class. He even drove us from Michigan to Chicago for the few that wanted to test for the General. His son was among those testing for General, but he never passed. As I recall his son was into other interests. I can imagine how he felt.

--

Bob 72/73

<http://www.qsl.net/w4ed>

W4ED nr Atlanta @EM73wt

...."QRP", more from less....

```
      /|
     / |
    /  | \
   /| / E | \
  /_|/_|_|_|_| \
 [ \-----/
```

Date: Sat, 31 Jan 1998 11:47:38 -0800
From: ke3fl@juno.com
To: qrp-l@Lehigh.EDU
Subject: [2563] Novice Round-Up?
Message-ID: <19980131.115131.8830.0.ke3fl@juno.com>

Anyone know when the Novice Round-Up is being held? Feb 15-17??

Tnx

72 & 73 de KE3FL

Phil K

home: ke3fl@juno.com

Alt: ke3fl@yahoo.com

Alt: ke3fl@qsl.net

Web: <http://www.qsl.net/ke3fl>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 31 Jan 1998 12:20:56 -0500
From: "Keith M. Hamilton" <khamilton@cisnet.com>
To: <qrp-1@Lehigh.EDU>
Subject: [2564] WTB: Index QRP+ with Companion
Message-ID: <000001bd2e6c\$9dc4ada0\$4890b3cc@khamilto.cisnet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Looking for a mint QRP+ with the QRP Companion!

Will buy for a fair price. Please email if you have

a rig to sell. Thanks!

Keith M. Hamilton
khamilton@cisnet.com

Date: Sat, 31 Jan 1998 09:34:37 -0800
From: Vic Rosenthal <rakefet@rakefet.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2565] Re: Novice calls from the 60's
Message-ID: <34D360AD.AEFDE382@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thom wrote:

> Anyone from New York City area rember taking the General test in
> Manhattan?

I do, at the Federal Bldg. And the extra test. Those guys didn't smile or fool around. Also, the straight keys that were attached to the desks for the sending test seemed to have their adjustments WELDED so that the key would have about 1/4" contact spacing (REAL radio operators can send with anything). I won't bore anyone again with my story of how one of the examiners pulled the plug on my homemade keyer that I had the audacity to bring in when I took the extra...

Vic K2VC0

Date: Sat, 31 Jan 1998 11:41:20 -0600
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-1@Lehigh.EDU
Cc: w6toy@erols.com, Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>, John Seboldt <rohrwerk@pconline.com>
Subject: [2566] Re: Cores for R2 Receiver, any interest?
Message-ID: <3.0.3.32.19980131114120.006c1e00@molsun.opth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi,

folks have been asking how many potcores are needed per complete R2 radio.
in classic scientist (or politician) vernacular : well, that depends

* glen leinweber version (QQ), you will need 4 per radio - 1 for each channel in the diplexer, and 2 in the high-pass butterworth filter. check me on this glen.

* rick campbell version (QST), depends on how which sections you want to do the replacements in:

- 1 per radio for the 120 mH L10
- 3 per radio for the inductors in the Elliptical LPF (33 or 100 mH depending on desired bandwidth)
- 4 per radio for the high-pass portions of the band-pass diplexers

of course, if you decide to do the option of switching in different band-pass boards, you will need more potcores. i won't have final cost numbers until i order, but it will be about \$2.00 per potcore (+/- about \$0.25 depending on volume).

for those using the R2 board as distributed by Kanga, I don't know yet if the TDK potcores will fit (I believe they are bigger) without either mods or using "daughterboards". Does anybody know the answer to that?

BTW-There are reprints of _5_ (yes FIVE) rick campbell, KK7B, QST articles related to the R1/R2/T2 in the book "QRP Power" put out by the ARRL. As mentioned on QRP-L previously, everybody should have this book. It also has the reprint of dave benson's, NN1G, original "40-40" article, and a bunch of cool stuff from zack lau (now w1vt, in the book as KH6CP), and much more.

and for what it's worth - the TOKO 10RB inductors (fixed value) - are \$3.75 each (\$30.58 for 10) from DigiKey, and for some of those you would need to buy extra in order to get matched pairs. at least the pot-cores can be rewound for other values.

hope that clarifies things.

--adam, n2brt

```
=====
Adam B. Kanis, N2BRT      QTH: Wellman, IA (Near Iowa City) EN41ck
adam-kanis@uiowa.edu     QRP ARCI : NorCal : QRP-L: G-QRP : CQC
      Straight Key : OHR-100 40m : Carolina Beam oriented N/S
** On the Web at      http://genome33.ped-gen.uiowa.edu/hamradio **
=====
```

Date: Sat, 31 Jan 1998 12:44:22 -0500 (EST)
 From: Richard Mulvey <mulveyr@frontiernet.net>
 To: qrp-l@Lehigh.EDU
 Subject: [2567] Power supplies and parts
 Message-ID: <199801311744.MAA59642@node6.frontiernet.net>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=US-ASCII
 Content-Transfer-Encoding: 7bit

Speaking of power supplies, I just got a copy of a catalog from "Marlin P. Jones" and Associates". It's got all sorts of power supplies, at some fairly cheap prices. (Some new, some used.) The prices for the rest of the items range from "darned cheap" to somewhat higher than other places I've seen. Considering the lack of transformers and rectifiers in my junk box, I'm going to spend the \$16.00 for a couple of those triple-output supplies! I'll post a note as to how well the company actually comes through. It looks like you can order a catalog at 1-800-652-6733.

- Rich

Date: Sat, 31 Jan 1998 12:51:14 -0500
From: W2MY & W2MBY <n2mnn@spacegate.com>
To: QRP-L@Lehigh.EDU
Subject: [2568] FOX: Results W2MBY Jan 31
Message-ID: <34D36492.2080@spacegate.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all,

Conditions started out as being poor for the first hour. The last half hour was the best with 7 contacts during that time. I got a total of 14 contacts again.

Sorry, Dave, AB0GO. I heard your call once at 1:14, but then you were gone.

See you all on 7.141 next Friday evening, (00:00 to 02:00 UTC, Saturday, Feb. 7).

72,

John, W2MBY

Results: W2MBY Fox, Jan 31.

FREQ	UTC	CALL	SNT	RCV	NAME	ST
7141.0	00:07	KI8CZ	339	529	TOM	NM
7141.0	00:12	NI0A	339	339	JOHN	MN
7141.0	00:25	WB0CGH	329	569	BRAD	TX

7141.0 00:43 K6VNX 229 559 ARLEN CA
7141.0 00:52 KI0KY 229 539 STEVE CO
7141.0 01:00 N7CQR 229 569 DAN OR
7141.0 01:22 AC5JH 329 449 TOM LA
7141.0 01:31 N1TP 559 569 TOM FL
7141.0 01:33 AB7MY 439 579 GARY AZ
7141.0 01:37 KF4TRD 579 229 MIKE FL
7141.0 01:40 KA5T 439 449 LARRY TX
7141.0 01:44 WE6W 219 229 ED CA
7141.0 01:56 VE5RC 219 229 BRUCE SK
7141.0 02:00 N5JKY 229 559 MIKE OK

Date: Sat, 31 Jan 1998 14:00:52 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [2569] Knightlites SMiTe arrive in MD!
Message-ID: <Pine.LNX.3.93.980131135016.838A-1000000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This thing is neat! This thing is tiny! (two would fit in a 9V battery case) This thing is another kit to add to the ever growing pile of stuff I'll never finish in two lifetimes! Actually SMiTe's #25 and #26 are moving to the top of the pile and will certainly get played with before/during FYBO. I've looked at lot of surface mount stuff in my time, and those parts sure look a lot bigger when someone else sticks 'em down!

The KL's have done an amazing job, parts are all taped to a placement chart, (someone has saintly patience and good eyes) directions are clear, and they even send solder with the kit. Many thanks Bob (and all the other KL's) for a wonderful job. And just this morning I started on my Norcal paddle... Guess it'll have to wait a little longer :) See 'ya on 3.686

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE QRP WAS 28/13(w/c) | http://dns.vidtel.com/~ccart --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? NJ-QRP #105 LIQRP #???? MDmW #5 --

Date: Sat, 31 Jan 1998 12:07:07 -0600 (CST)
From: John Seboldt <rohrwerk@pconline.com>
To: qrp-l@Lehigh.EDU, "Adam B. Kanis" <adam-kanis@uiowa.edu> ,

leinwebe@mcmail.cis.mcmaster.ca

Subject: [2570] Re: Cores for R2 Receiver, any interest?

Message-ID: <Pine.LNX.3.95.980131113247.28749E-100000@newton.pconline.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 30 Jan 1998, Adam B. Kanis wrote re potcores for Glen, VE3DNL's R2A:

> primed with info from glen, i tracked down where the TDK potcores that he
> used could be purchased, and there is good news and not-too-bad news. MH&W
> out of NJ is the sole distributor in North America. Prices end up being
> about \$2.00 per set of parts (each potcore is a set and a bobbin),
> depending on order volume. That was the good news. The not-too-bad news
> is that there is a \$75 minimum order.

>

> i'd like to order a batch. i won't need 40 sets. i'm sure other people
> are interested in building the R2 (or should be). would anybody like to
> take some of the extras off my hands. Not wanting to get into the parts
> business, I'd make them available at cost + postage, and I'd rather not
> call it a group buy. let me know by direct email how many you'd want.

>

> FYI - these are the TDK H5C2P14/8-Z-52H cores. If you need permeability or
> A(L) numbers, let me know - i have them at work.

Amidon has potcores of #77 material. The similar one seems to be
PC-1408-77, 14 x 8 mm, AL=1960, priced at \$2.15 on my Jan. 1994 price list
in front of me! If you want to wind that 160 uH inductor in the audio
filter, you might want a bigger one so you don't have to work with
super-fine wire :-). No minimum order.

An on-line reference for Amidon (a distributor named ByteMark) is
<<http://bytemark.com/amidon/>>. Lots of info, but dunno if you'll save by
ordering direct from Amidon.

My only question would be if the material has adequate Q at low audio
frequencies.

> check out John Seboldt's page with lots of R2/T2 info at
> <http://www.pconline.com/~rohrwerk/k0jd/>

Thanks for the plug!

John K0JD

Date: Sat, 31 Jan 1998 08:54:32 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: bhowell@mail.utexas.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2571] Re: Global Catholic Radio
Message-ID: <IbnWgAAIbu00EwJL@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <3.0.1.32.19980130175041.0068adfc@mail.utexas.edu>, Bill Howell <bhowell@mail.utexas.edu> writes

>
>Sam wrote:
>
>"Can someone *PLEASE* verify the existance of a radio station at 5.814MHz,
>Global Catholic Radio? PLEASE?! I think the call letters are ATKY or
>something like that...."
>::
>
> Sam,
>
> They're at 5825. Call is WEWN. I believe they're located here in the
>U.S.
>
> They're freq guide is at: <http://www.ewtn.com/WEWN/freq.htm>
>
> I pick them up on my Sony SW radio all the time.
>
> 72,

I can get them here in the UK on my Sony 2001 - pretty good signal.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system. See " ["/diy_dsp.htm](#) for a simple DIY DSP ADSP-2104 system.

Date: Sat, 31 Jan 1998 13:11:46 -0500
From: Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
To: ke3fl@juno.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2572] Re: Novice Round-Up?
Message-ID: <34D36962.3C42@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ke3fl@juno.com wrote:

>
> Anyone know when the Novice Round-Up is being held? Feb 15-17??
>
>

FIST is sponsoring the '98 Novice roundup the weekend of Feb. 13 1700
UTC- Feb. 16 2400 UTC. Rules are in the Feb. QST.

--

73 de
KI8CZ
Tom Isgro
OHIO

<http://www.qsl.net/ki8cz>

10-X #68364	SCI #1479	QRP-L #945	ARS #203
C.A.T.T #2115	FIST 2360	NORCAL	ARRL

Date: Sat, 31 Jan 1998 11:16:40 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [2573] RI DXpedition Heard?
Message-ID: <199801311816.LAA05224@usr06.primenet.com>

Howdy Folks,

Has anyone heard from our brave QRP RI DXpedition today? Nothing heard yet on 20m in AZ....

Oh well, 7 days to FYBO - guess I can finish prepping my gear while I wait for condx to improve. :)

Nice QRP chat with Dick (N5JI) while I was hunting though. Thanks Dick!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when your feet are warm."
- Dave Rose, Fellow Snowcamper

Date: Sat, 31 Jan 1998 11:30:37 -0700
From: "Karl B. Staddon" <ve6kbs@agt.net>
To: khamilton@cisnet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2574] Re: WTB: Index QRP+ with Companion
Message-ID: <34D36DCD.187A@agt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Keith M. Hamilton wrote:

>
> Looking for a mint QRP+ with the QRP Companion!
>
> Will buy for a fair price. Please email if you have
>
> a rig to sell. Thanks!
>
> Keith M. Hamilton
> khamilton@cisnet.com

Keith, I tried to send an email directly to you re a QRP+ which probably meets your requirements (ex the Companion). Unfortunately the email was bounced back to me.

Perhaps you could send me an email direct or call me at home at 403-252-1850.

Cheers, de VE6KBS, KARL B. STADDON, CALGARY, AB.

Date: Sat, 31 Jan 1998 09:23:54 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: adam-kanis@uiowa.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2575] Re: Cores for R2 Receiver, any interest?
Message-ID: <m7Pdo0Aq2u00Ewv3@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <3.0.3.32.19980130214228.006bcb90@molsun.opthth.uiowa.edu>,
"Adam B. Kanis" <adam-kanis@uiowa.edu> writes
>hi all,
>
>i've decided that i'm going to build an R2 receiver, that will eventually
>be worked into a transceiver design. for those who don't know, the R2 is a
>Rick Campbell, KK7B, design of a high-performance single-signal direct
>conversion. yes, i ordered the board before Collins decided to put
>"homodynes" back in the press.
>
>anyway, i've been checking into various mods that have been put forward,
>especially those of Glen Leinweber (published in QQ). Glen had recommended
>substituting home-wound potcores for some of the Toko 10RB inductors Rick
>had used, the advantage being a higher Q. I'm probably going to make this
>my main station radio, so I'm looking to do it right. These well designed
>radios achieve 40-50 dB of opposite sideband rejection, but only with
>quality, well matched parts. these potcore puppies are hard to find.
>

Maplin (UK) sells Philips pot cores, I've got some of the LA4345 ones to
try out in an R2 Rx. They come with adjusters, which should make
matching easier. They are expensive at \$2.37 each. I'll see if I can
adapt my little Sherline milling machine to help with the winding.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system. See " /diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Sat, 31 Jan 1998 18:44:34 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>
To: "KA5T Larry Wise" <lewise@inetport.com>, qrp-1@Lehigh.EDU

Subject: [2576] Re: Sprat Index
Message-ID: <199801311845.NAA11403@sparticus.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Larry - I list a URL on the first page of the SPRAT Reprint ;

<http://ourworld.copuserve.com/homepages.g4wif.gqrp.htm>

the Index is there....

73 - Bill - N8ET
Kanga US
kanga@mail.bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Sat, 31 Jan 1998 12:06:51 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@Lehigh.EDU, cqclist@lists.csn.net
Subject: [2577] Night fo the Living Dead QRP op
Message-ID: <199801311906.MAA17437@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi, Gang--

Any 73 readers out there PLEASE think about writing a letter to the editor about the stupid comments by "Dr." Hal (Feb issue), who is just a big crybaby. Tell 'em we'll all turn in our licenses now and he can have lots of fun working the hams who meet his standards-- both of them.

I'm having trouble getting going this morning-- didn't sleep well last night. In fact, you're probably not reading this because it appears that I am dead.

I attempted to purchase a cell-phone yesterday and was told that my credit report showed me as being deceased. To the best of my knowledge that is incorrect, and I do intend to pursue the matter with all available means.

Turns out the report originated from Equifax. A

business like the cell phone company can evidently get them on the phone and be told that I am dead, but in order to prove that I am alive I have to request a credit report from their automated system. It will be mailed to me and after I get it I can request an investigation. There appears to be absolutely no way to get a real person on the phone so that I can explain that I am still walking around. This is of some concern because my wife Wendy is an RN and she tells me that the longer I am dead the harder it will be to come back.

And I find it slightly ironic that that they say I am dead, but will still send me a copy of my credit report!

Fortunately, I can find nothing in Part 97 to say that an operator must cease transmitting when deceased, so I guess I'm merely dead, not SK. More irony, perhaps.. a deceased person can hold and use an Amateur Radio license, but can't get a cell phone.

Well, even us dead guys gotta work.... gotta get the estate sale ready and stuff.

73

Marshall Emm

N1FN/VK5FN

n1fn@mtechnologies.com

Milestone Technologies

Software, kits, tools...

<http://www.mtechnologies.com>

(303)752-3382

--

Date: Sat, 31 Jan 1998 19:04:35 -5

From: "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>

To: "Adam B. Kanis" <adam-kanis@uiowa.edu>, qrp-1@Lehigh.EDU

Subject: [2578] Re: Cores for R2 Receiver, any interest?

Message-ID: <199801311904.0AA17192@sparticus.bright.net>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Adam -

A couple of additions to your last note on the Pot Cores for the R2

receiver.

I don't know if they fit on the board I sold you - I have not ever tried the mods from Glen's article.

I sell the QRP Power book you mention with all the article in it (\$12 shipped), and I will also sell the matched components for the R2. The price is the cost of the single piece price of the parts in the DigiKey catalog, plus \$5 s/h.

If there appears to be a lot of interest in the pot cores, I would be willing to buy the qty needed to cover the minimum order and resell to those who want to try them.

Let me know what response you have had.

73 - Bill - N8ET
Kanga US
kanga@mail.bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Sat, 31 Jan 1998 11:06:39 -0800 (PST)
From: Stanley Wilson <microres@crl.com>
To: qrp-1@Lehigh.EDU
Subject: [2579] Wtd Specs on Showa 9 mHz xtal filter
Message-ID: <Pine.SUN.3.91.980131110438.12427B-100000@crl9.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anyone have specs on the filters that the G-qrp club had a few years ago.

I picked up a Showa 9000 kHz, SF0922B, No. M-4343 from one of the memebbers and have not been able to find any info on it. Bandwidth, etc etc.

Thanks, Stan AK0B
microres@crl.com

Date: Sat, 31 Jan 1998 09:32:11 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: kc5tja@animeonline.ml.org

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2580] Re: Mixer Findings
Message-ID: <orjesVAb+u00Ewu+@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <Pine.LNX.3.96.980130214409.988E-1000000@animeonline.ml.org>, Sam <kc5tja@animeonline.ml.org> writes
>I know that everyone was "warning" me not to use transistors as mixers,
>because of their horrible performance. Basically, their performance was on
>par with single diode mixers, a la crystal-set receivers and most AGC
>circuits.
>
>Towards the lower frequencies, say, around 5.0 to 6.5MHz or so, the mixer
>seems to work satisfactorily. I get crisp, loud, clear signals, even with
>an antenna as short as 20ft. However, as I go over the 6.5MHz mark, the
>noise level increases significantly, rendering the radio useless.
>
>I'd hate to see how my future AF amplifier would have handled the noise... :)
>
>Anyway, my next design will make a balanced signal from the VFO, and use
>that to feed a balanced mixer of some sort. I don't know if it'll be a
>diode mixer (doubly balanced) or a single balanced yet (two transistors).
>Odds are likely that it will be a doubly-balanced diode mixer using Ge
>diodes.
>
>The disadvantage to having a diode mixer, however, is that I need to wind a
>number of transformers: one for the LO, one for the RF side, and finally,
>one for the AF side.
>

You only need 2 balun transformers for a 50 ohm diode DBM, and they only take a couple of minutes to wind. You need 43 material ferrite toroids or balun cores. Details are in the ARRL Handbook.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system. See " /diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Sat, 31 Jan 1998 12:21:00 -0800 (PST)
From: Sam <kc5tja@animeonline.ml.org>
To: Michael Maiorana <mikemo@ibm.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [2581] Re: 14.318 Crystals

Message-ID: <Pine.LNX.3.96.980131121059.308B-1000000@animeonline.ml.org>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 31 Jan 1998, Michael Maiorana wrote:

> Bill Vodall wrote:

> > One intriguing component that seems common to all the boards is

> > a 14.318Mhz crystal. At least one had a 14.318 oscillator pack.

>

> Just a little computer trivia. That 14.31818 mhz crystal was included on

> the original IBM pc to provide two different frequencies, divided by 4

A minimum of three frequencies, actually. The color burst was one frequency. The 14.31818MHz signal, when fed into an 8284 (??) clock chip resulted in a 4.77MHz clock signal to the CPU. The 8088's back then had to use a 33% duty cycle (only God knows why), and the 8284 guaranteed this. In addition, however, the 14.31818MHz crystal also provided the ISA bus frequency. On XT's, this happened to be 4.77MHz. On AT's, it was supposed to be 8MHz (and some AT's really did have a separate 8MHz or 16MHz crystal for this purpose) -- but most were perfectly happy with 7.15909MHz as a close approximation.

For this reason, the ISA standard says the BUSCLK signal can range from 4MHz to 8MHz, but never more.

> was the cpu clock 4.77 mhz. Even though the hardware design could run in
> spec at 6 mhz, they chose 4.77 for simplicity (dont need another

Actually, no... The 8255 and 8259A chips would run at most at 5MHz. (Even through to today, they still have this limitation). Anything above that, and those chips would not be able to run. In some cases, you can actually damage an 8255 chip from overclocking it (heat problems; yes, I did this back when I tried to interface one to my Amiga 500, which ran at 7.15909MHz).

OK, quick: what was the 8255 used for, and what was the 8259A used for?
:)

> crystal). Heck, who would want to go faster than 4.77 mhz anyway? Yeah,
> and 640k ram should be more than anyone will ever need.

"640k of RAM is enough for anyone." -- Bill Gates, 1985

"You need 8MB of RAM to run Windows 95." -- Bill Gates, 1995

"Therefore, you don't need to run Windows 95." -- logical conclusion!

Which is why I run Linux... :D

```
=====
KC5TJA/6      |      -| TEAM DOLPHIN |-
QRP-L #1447   |      Chief Architect and Project Founder
              |      (web page under construction)
=====
```

Date: Sat, 31 Jan 98 11:25:41 PST
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: qrp-l@Lehigh.EDU (qrp)
Subject: [2582] Attention GlowBugs
Message-ID: <9801311925.AA29665@wizard.ucs.sfu.ca>

Any GlowBugs out there that could use a 6146? I have one that was last used in my first Novice rig, a DX20. Yes I know that the 20 didn't come with a 6146, but this was one of my first equipment mods, after my ARC5 receiver...

Would like to see it put to use by someone who would appreciate it.

cheers, Paul
VE7CQK
email: paul1@wizard.ucs.sfu.ca

Date: Sat, 31 Jan 1998 13:20:47 -0500
From: Joseph Trombino jr <joebarb@wilmington.net>
To: QRP-L@Lehigh.EDU
Subject: [2583] re: Manhattan
Message-ID: <3.0.1.32.19980131132047.006bc760@wilmington.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For all the guys that took their license tests at the New York City FCC office:

I was "book-surfing" in the library several months ago and came across a Ham Radio book from back in the 50's. It was written by a W2 (title and call fails me now--will get that info next trip) and had loads of pictures

of rigs from that time period.

What blew me away was a picture of an FCC examiner administering the code test to an applicant. Well wouldn't you know it, it was the same stern, gray haired examiner who gave me my general test in '62. Back in those days, the examiners wouldn't tell you if you had passed the written test or not--you just had to wait for a new license or a failure notice--what torture!! . Anyway, I guess the fella was aware I had made the long and arduous trip to Manhattan from Staten Island, noticed my tender age, looked up and smiled (after grading the written test) and said "you passed". Dance of joy etc, followed!!

Anyway, the gracious examiner (who had me scared to death) is (was) Charles Finkleman. I xeroxed the page with his picture for a memento--it isn't a great copy but you can certainly recognize him! If any of you who took the test in Manhattan would like a xerox copy of this gentleman please send me an SASE (the copy fee is nominal so no sweat-unless I get 1000 requests:)

Now if I can only find this book for sale at a Hamfest:)

Cheers and 72/73, joe W2KJ (ex-WV2ZDF/WA2ZDF)

Joe Trombino W2KJ
363
forest Sound Rd
Hampstead, NC 28443

Date: Sat, 31 Jan 1998 14:32:05 EST
From: penzo@juno.com (Michael A Penzo)
To: qrp-l@Lehigh.EDU
Subject: [2584] Toroid Help
Message-ID: <19980131.142907.4839.0.penzo@juno.com>

I couldn't resist any longer, so I decided to build a Pixie 2, 40 meter version, this afternoon with parts out of my junk box. I got the oscillator working right off the bat. Now I'm scrounging for the inductors for the amp. I have a molded miniature choke for L2 (100uH) but no luck for L1 (15-22uH) or L3 (1.5 uH). I've never had much luck with toroids but maybe it's time to try.

Could someone check my math and let me know if this will work?
For L1 (15-22uH) I'm coming up with 6 to 7 turns on a FT-37-43 core.
For L3 (1.5uH) I think my best bet is 17 turns on a T-50-2 core. I don't

have any T-37-2 cores on hand, so I have to use the larger 50.

Thanks in advance for the sanity check and 73,
Mike

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 31 Jan 1998 12:01:49 -0800
From: Stan <stan@cruzio.com>
To: penzo@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2585] Re: Toroid Help
Message-ID: <34D3832D.C6B@cruzio.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael A Penzo wrote:

>
> I couldn't resist any longer, so I decided to build a Pixie 2, 40 meter
> version, this afternoon with parts out of my junk box. I got the
> oscillator working right off the bat. Now I'm scrounging for the
> inductors for the amp. I have a molded miniature choke for L2 (100uH)
> but no luck for L1 (15-22uH) or L3 (1.5 uH). I've never had much luck
> with toroids but maybe it's time to try.
>
> Could someone check my math and let me know if this will work?
> For L1 (15-22uH) I'm coming up with 6 to 7 turns on a FT-37-43 core.
> For L3 (1.5uH) I think my best bet is 17 turns on a T-50-2 core. I don't
> have any T-37-2 cores on hand, so I have to use the larger 50.

I was just looking this up.. in the QRPP number 3, the one with the Norcal
40 on the front, Mike Czuahajewski, wa8mcq has published a chart for inductance
on the standard cores.

An ft 37-43 with 6 turns= 15uh and 7 turns= ~21

The t50-2 w/ 17 turns =~ 1.42 , 18 turns = 1.59

Looks like your math is spot on.

Stan , N6XU

Date: Sat, 31 Jan 1998 15:01:23
From: Roger Braker <msebrakr@telepath.com>
To: qrp-1@Lehigh.EDU
Subject: [2586] pixie II
Message-ID: <3.0.1.16.19980131150123.4147c80a@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All,
I have been hearing all the talk about Pixies abd want to build my own now.
Can anyone direct me to a web site that would have a skiz on it? Maybe
someone can send me an attached file of the skiz?? Thanks.

73,
Arnold kd5kch

Date: Sat, 31 Jan 1998 15:33:56 -0500 (EST)
From: Thom <thom@li.net>
To: ke3fl@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2587] Re: Novice Round-Up?
Message-ID: <Pine.SUN.3.95.980131153319.4407A-100000@linet01>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,
I thought the NR was cancelled due to lack of interest!?!
Tom
WB2QDG

On Sat, 31 Jan 1998 ke3fl@juno.com wrote:

> Anyone know when the Novice Round-Up is being held? Feb 15-17??
>
> Tnx

> 72 & 73 de KE3FL
> Phil K
>
> home: ke3fl@juno.com
> Alt: ke3fl@yahoo.com
> Alt: ke3fl@qsl.net
> Web: http://www.qsl.net/ke3fl
>
> -----
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> Or call Juno at (800) 654-JUNO [654-5866]
>
>
>

Date: Sat, 31 Jan 1998 15:36:24 -0500
From: Mel Evans <MelEvansGM6JAG@compuserve.com>
To: Andy <AndyEmert@aol.com>
Cc: qrp-l <qrp-l@Lehigh.EDU>
Subject: [2588] 20m tx problems
Message-ID: <199801311536_MC2-3166-CF58@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi Andy,

Usually it's the other way round, the tx works ok and the rx is agrind to=
go if there's a problem.

General advice: get somebody else to check over your work. It's just
possible that you have made a mistake in the soldering or orientation of =
a
component and you now can't see the wood for the trees

Does it have power when it should have? Check any switched lines as well =
as
the line to any PA section. . . . =

Check out the oscillator into the tx, is it still oscillating when you as=

k
the rig to tx? =

You could use a simple RF sniffer at the various stages to see if there is
a signal at all. See the Handbook for details of how to make one with a
couple of diodes and a small meter.

Hope this helps =

72 and 73 de Mel
Edinburgh Scotland UK
Home of the last HW9

Date: Sat, 31 Jan 1998 20:51:18 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [2589] FCC Renewal
Message-ID: <199801312051.UAA08448@chuck.dallas.sgi.com>

Gang,

My thanks to the prior posting last year and I think it was
Jay in NM and others that posted the FCC renewal sight on
the web. <http://www.fcc.gov/>

If you go to the site and find the form 900 link you will be
able to renew your license without having to send in a form
610 etc. The only restriction is that no address changes, etc.
If everything remains the same, then you get a renewal in a few
seconds.

I waited until 90 days before the expiration date and renewed and
the new license came in the mail today. Such a deal and everyone
complains about service. :-) So I get another 10 years to play
around with this QRP stuff. You can renew if you are about to
expire (the license) within 120 days.

So just a reminder to make sure you keep up with expiration dates
of your license. I have worked people on the air that at the time
were not current. :-) Found them in previous year callbooks

when I couldn't find them online or in the QRZ CDROM database
and sent them a QSL and a note. Helps keep people out of trouble.

Also got back a QSL card I sent out for the last contest returned
due to elapsed mail forwarding, but the FCC database shows the
old one. Remember boys and girls to keep up with these things.
Very important if you are active on the air.

FYI

Chuck Adams K5FO CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Sat, 31 Jan 1998 12:50:57 -0700
From: Kory Hamzeh <kory@avatar.com>
To: qrp-1@Lehigh.EDU
Subject: [2590] FS: Wilderness Sierra
Message-ID: <3.0.5.32.19980131125057.009938e0@ns1.avatar.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

FOR SALE: Wilderness Sierra with 80M, 40M, 30M, 20M, 17M, 15M band modules,
KC2, and BuzzNot Noise Blanker. Fully built and working perfectly. Everything
is in excellent condition with complete documentations. \$500 FIRM and I will
pay shipping in CONUS.

Thanks,
Kory
AC6RN

Date: Sat, 31 Jan 1998 15:58:14 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: <mgemm@mtechnologies.com>, "Low Power Amateur Radio Discussion" <qrp-
1@Lehigh.EDU>
Subject: [2591] Re: Night fo the Living Dead QRP op
Message-ID: <199801312107.QAA08567@mailhost.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

To the Late Marshall Emm,

How long do you suppose you have been dead? A friend of mine said he was trying to get in touch with you last week. Do suppose Heaven has just now connected to the internet? Do you know for sure where you are?

You apparently have achieved some kind of breakthrough, Marshall, please keep in touch with us, wherever you are. Ham radio started with broadcasting RF current, and progressed to the internet, now this. Are we on the leading edge of technology, or what?!!

P.S. Does St. Peter really have a long white beard like Santa Claus?

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Probably, but not necessarily. -- Benny Hill

> I'm having trouble getting going this morning-- didn't sleep
> well last night. In fact, you're probably not reading this because
> it appears that I am dead.

Date: Sat, 31 Jan 1998 13:19:30 -0800
From: Jerry Parker <jparker@fix.net>
To: qrp-l@Lehigh.EDU
Subject: [2592] re: Dan's Small Parts
Message-ID: <2.2.32.19980131211930.00d557ec@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I just talked with Dan. He is alive and well

and his number is good, not disconnected as

was posted below to the net.

72,

Jerry,,,WA6OWR...K

>I ordered parts a month ago and haven't rcvd anything.
>I just called his webpage advertised phone number (406-258-2782) and

>the operator said that it has been disconnected.
>Any Help?
> tks dave ab5pc fresno, ca

Date: Sat, 31 Jan 1998 16:16:40 -0500
From: n2jgu@juno.com (Gary M Diana)
To: qrp-1@Lehigh.EDU
Cc: embres@frontiernet.net, n2jgu@juno.com
Subject: [2593] TIXIE Update and new images
Message-ID: <19980131.161641.5062.1.n2jgu@juno.com>

Hello All -

First, there is a delay with the TIXIE boards. The new arrival date here is Feb 5th. Everything else is set, so the board+TiCK chip combo will go out the day the boards arrive.

In the meantime, check out some of the new Tuna Tin II, TIXIE, and a few surprise images at:

<http://www.frontiernet.net/~embres>

73 for now...

- Gary N2JGU / Brad WB8YGG
Embedded Research
embres@frontiernet.net

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Date: Sat, 31 Jan 1998 16:19:23
From: Roger Braker <msebrakr@telepath.com>
To: qrp-1@Lehigh.EDU
Subject: [2594] Pixie II questions
Message-ID: <3.0.1.16.19980131161923.4147c230@telepath.com>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all,
First I would like to thank all those that responded to my request for the pixie skiz. And now, more questions. Can I use normal inductors that you can buy for the coils as I don't have any toroids I can use yet? Also, the pixie is supposed to be a transceiver, isn't it? Is there a mixer for audio and if so where is it? If no mixer then how is the audio derived from the LM386? Can 2N222a be substituted for the 2N3904? Thanks for any help.

Arnold kd5ckh

Date: Sat, 31 Jan 1998 13:51:13 -0800
From: dave_epps@juno.com
To: qrp-l@Lehigh.EDU
Subject: [2595] re Dan's Small Parts
Message-ID: <19980131.135114.6734.0.dave_epps@juno.com>

My apologies to Dan's Small parts and all concerned as I reported that his phone had been disconnected. I didn't have the (1) programmed into the dialer and I got the disconnected msg because of that.
I just called and got a recorder.
dave ab5pc fresno, ca

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 31 Jan 1998 22:03:34 GMT
From: n4js@pobox.com (John Sielke)
To: qrp-l@Lehigh.EDU, klnet@waterw.com, njqrp@njqrp.org
Subject: [2596] SMiTe and Pixie II
Message-ID: <34d39ec5.659238@mail.cyberenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Well, the Pixie II and the SMiTe kits both arrived today. Make me glad I'm myopic (I can see up close...VERY close). The Pixie II (from njqrp) is for 40 M and the SMiTe is for 80, so 'll be all set...and still have a TIXIE on order. Good thing I have a lot of Altoid tins. Of course, the SMiTe looks like it ought to go in an aspirin tin.(Hmmm...).

```

      =20
      /\  /\  /\  /\  John L. Sielke n4js@pobox.com n4js@qsl.net
     ( N ) ( 4 ) ( J ) ( S ) NJ Grid:FM29LN http://www.qsl.net/n4js
      \_/_ \_/_ \_/_ \_/_ NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
      G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

```

Date: Sat, 31 Jan 1998 17:22:30 -0500
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
To: microres@crl.com
Cc: qrp-l@Lehigh.EDU
Subject: [2597] Re: Wtd Specs on Showa 9 mHz xtal filter
Message-ID: <3.0.1.16.19980131172230.2d4f8dd8@mail49.mci2000.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

At 11:06 AM 1/31/98 -0800, you wrote:

>Anyone have specs on the filters that the G-grp club had a few years ago.

>

>I picked up a Showa 9000 kHz, SF0922B, No. M-4343 from one of the
>members and have not been able to find any info on it. Bandwidth, etc etc.

>

>Thanks, Stan AK0B

```
>microres@crl.com
```

>

Stan...some where around here I have the spec sheet on that filter, as I have 4 of them. From memory, I believe they are 2.4 KHz BW and either 200 or 500 ohm input and output impedance. If I can't find the spec sheet to send to you, I will measure one and send you that data.

72.....Jim

Jim Kortge, K8IQY (ex NU8N)		NorCal, QRP-L
jokortge@mci2000.com		H.F. bicycle mobile
Fenton, MI		Mizuho 17/40 SSB
...	(*)/(*)	...

NorCal 38S/30 Log - 34 States; 40 Countries - Running 3 watts
Most recent - Iowa Mauritius

NorCal 38S/17 Log - 22 States; 51 Countries - Running 1.5 watts
Most recent - Alaska Ecuador

Date: Sat, 31 Jan 1998 15:28:14 -0700 (MST)
From: bcutter@teal.csn.net (Bob Cutter)
To: ku7y@dri.edu
Cc: qrp-l@Lehigh.EDU
Subject: [2598] Re: Replacement quarterly arrived
Message-ID: <199801312228.PAA16855@mailman.sni.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ron,

The replacement one arrived, the article did turn out well. Thank you.

72, Bob KI0G

Date: Sat, 31 Jan 98 14:48:31 -0000
From: Russ Carpenter <russ@natworld.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [2599] Second Announcement for the FEBRUARY SPARTAN SPRINT
Message-ID: <199801312244.0AA14573@guppy.pond.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

The February Spartan Sprint will be held on February 2 (which is our standard date--the first monday of the month). We will be operating on two bands--80 and 40. Don't worry if your station is a bit obese. We commend the winners in two categories--points (the Tubby Division), and points per pound (the Skinny Division).

If you are a newcomer to the Sprints, take a look at the introductory material at the end of this post.

1. Start at 9:00 PM EST, 8:00 CST, 7:00 MST and 6:00 PST. Finish at 11:00 PM EST, 10:00 CST, 9:00 MST and 8:00 PST.
2. The frequencies will be 3560+- Khz and 7040+- KHz. (You may operate one or two bands--your choice.)
3. Exchange RST, SPC (state, province or country) and power output.
4. If you choose to call CQ, use the format "CQ SP".
5. You can take credit for working the same station on a second band.

After the contest, send Russ Carpenter, AA7QU, an e-mail with your total QSOs and the total weight of your station (i.e., the combined weight of the transmitter, receiver, key, keyer and battery). You may also include your comments from the soapbox. Russ' email address is russ@natworld.com.

As an alternative, you can use our automated Spartan Sprint report at the ARS web site. Just fill in a few boxes, click the "submit" button, and you're done! You can get directly to the report page with this URL: http://www.natworld.com/ars/events/spartan/submit_spartan.html. Or you can take a more leisurely (and rewarding) stroll through the ARS site by going to the home page at <http://www.natworld.com/ars>.

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and points per pound of station weight. So you can get your kicks from running up a magnificent score, or achieving an remarkable ratio of points per pound.

If you're thinking about becoming a member of Adventure Radio Society,

just
send Richard Fisher (our membership chairman) an e-mail expressing your
interest. Richard's e-mail address is nu6SN@aol.com. Membership is free,
and
the organization has a great group of men and women who combine their love
of ham radio with their affection for the outdoors. You don't need to be a
macho person; ARS welcomes people of all ages and levels of ability.

Russ Carpenter, AA7QU, Contest Manager

russ@natworld.com

Date: Sat, 31 Jan 1998 18:11:12 EST
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU, EPAQRP-1@Lehigh.EDU
Subject: [2600] Re; MFJ NEWS LETTER
Message-ID: <14f25223.34d3af92@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

can anyone out there can tell me how to contact the person or persons that
have a news letter for the MFJ qrp rigs.
Also, anyone know if Pat Bunn of 624 kits is still around?
I had his number but it got lost during a move to another location last year
Thanks in advance
Bob
WA2HQQ

Date: Sat, 31 Jan 1998 18:34:08 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: qrp-1@Lehigh.EDU
Subject: [2601] Novice calls from the 60's
Message-ID: <34D3B4F0.68C6@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Henry Freedenberg wrote:

Thom wrote:

Anyone from New York City area rember taking the General test in Manhattan?

> >

> > The fellow who gave the test (I believe he is a SK now) was well know and
> > one of the nicest people you ever wanted to meet when your palms almost
> > too sweaty to hold the pencil during the code test.

>

Since you asked.....

I grew up in Bayside. I can remember playing hooky and taking the subway to go down to the FCC ofc for my general and advanced tests. I didn't get too much grief from my parents...guess they thought that I was serving a higher calling.

I think that the engineer in charge at that time (early 68) was a fellow

by the name of Charles Finkelman (?). Again, my memory is hazy. I remember going in for my general and filling out the paperwork. One of the other employees came in to throw garbage into the examining room waste basket. The engineer didn't like someone else using his waste basket. He dumped the contents on the floor and ordered the other employee to pick it up. Then I got to take my cw test. I was so elated

at passing the receiving portion that I was ready to leave without taking the sending and theory sections. I think that the office was on Christopher Street?

My novice rig was a HW-16 into a 14-AVQ in the yard of my parents home. Antenna wasn't worth diddly but I did manage to work a 5A1 just after I upgraded. I guess that if I had the antenna out in the open and had a decent radial system, I would have done better. Built a HW-100 after I upgraded. Played more hooky but that is a topic for another post.

Passed my Extra sometime around '77. By that time I was working for Gulf Oil and drew an extended assignment in Bakersfield. This was still

before the implementation of the VE program. The FCC had just started sending personnel out to hamfests to do feild testing. Remember leaving

my apt in Bakersfield at 0600 for a 3-4 hour drive to a hamfest at the SLO fairgrounds in Santa Maria. Long 3-4 hour drive on a 2 lane road (Hwy 58?) through the coast range. Sat for my extra and was surprised to

see that a sending test was no longer required. Used my permanent address in Houston on the 610 form, asked for and received N5HF as a call and lived happily ever after (more ro less). Oh yeah...San Luis and

Santa Maria are two of the most pleasant towns in 6 land. Someone else can post on Bakersfield.

Henry

Date: Sat, 31 Jan 1998 18:30:06 EST
From: Shephed@aol.com
To: qrp-l@Lehigh.EDU
Subject: [2602] N/T+ Fox for 2/2/98
Message-ID: <7c6825ce.34d3b400@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

It's my turn again!
There could be a chance that I will have to miss this on Sunday due to a family illness, if this is the case I will post as soon as possible and let everyone know.

My name is Dan Shepherd, N8VZU from Kettering, Oh.
I will be the Fox on 2/2/98 from 0000 to 0200Z (Sunday 1900 EST)
I will work around 7.140 +/- MHz
Rig is a Yaesu FT-101 at 5 W into a Hy-Gain AVT/WB-A vertical, this is a new antenna for me.

72' 73 de
Dan, N8VZU
QRP-L #1404

End of QRP-L Digest 987

